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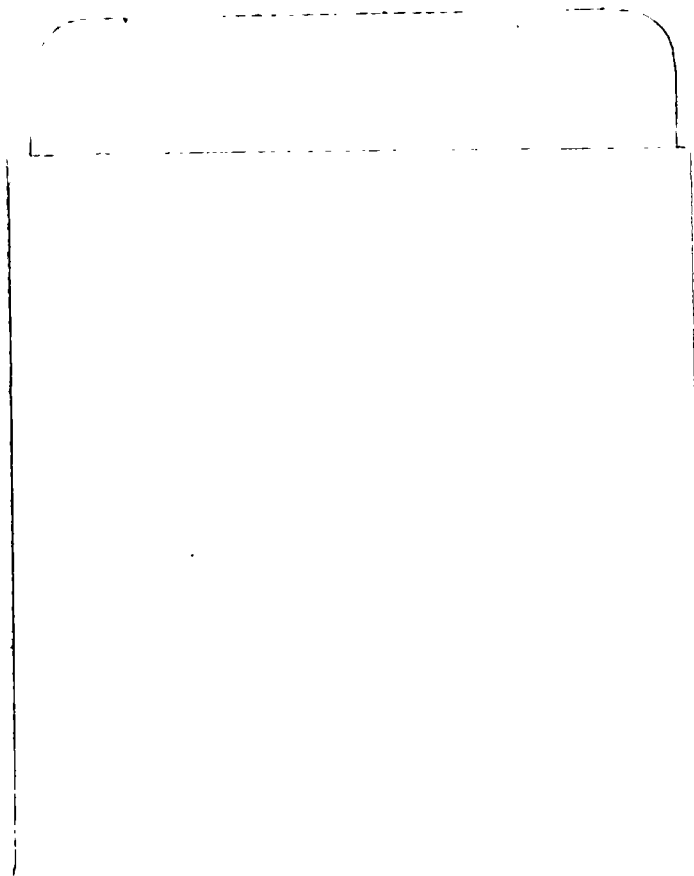
AVIATION REFERENCE DATA

FM 1-15

HEADQUARTERS, DEPARTMENT OF THE ARMY

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Field Manual }

No. 1-15

*FM 1-15

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 30 September 1977

AVIATION REFERENCE DATA

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ABBREVIATIONS USED IN THIS MANUAL

A

acft aircraft
 ACR armored cavalry regiment
 ADP automatic data processing
 advr advisor
 afld airfield
 AFRM airframe
 AIM armored-infantry-mechanized
 al airlift
 amb ambulance
 ambl airmobile
 AMDF Army Master Data File
 ammo ammunition
 anal analyst
 apch approach
 appr apprentice
 armd armored
 armr armorer
 armt armament
 ASL authorized stockage list
 aslt assault
 ASP ammunition supply point
 aspa airspace
 autmv automotive

B

bbl barrel

C

cal caliber
 calbr calibration
 CARCSLR career counselor
 cdr commander
 C-E Communications-Electronics
 cen central/center
 cgo cargo
 CH chaplain
 ch chief
 CIF Central Issue Facility
 ck checker
 clin clinical
 clk clerk
 clo clothing
 cml chemical
 cmpt computer
 comd command
 COMSEC communications security

con control
 con gp control group
 COSCOM corps support command
 const construction
 cptr carpenter
 CRC crew chief
 crmn crewman
 CTREPTR court reporter

D

den dental
 dftmn draftsman
 disp dispensing
 distr distribution
 DIVARTY division artillery
 dr drawn
 DS direct support
 dspch dispatch
 dvr driver
 DX direct exchange

E

elct electronics
 elec electrician
 eng engine
 engr engineer
 enl enlist/enlisted
 equip equipment
 equipmn equipman
 exam examiner
 ext extinguisher

F

fac facility
 FC fire control
 fin finance
 ISG first sergeant
 fld field
 FLFT forklift
 flt flight
 FM frequency modulated
 fman foreman

ABBREVIATIONS USED IN THIS MANUAL (CONTINUED)

G

genrgenerator
 gndground
 gnrgunner
 GPgeneral purpose
 gpgroup
 grengrenade
 grendrgrenadier
 GWTgross weight

H

hdlghandling
 hdlrhandler
 hvheavy
 hydhydraulic
 hygsthygientist

I

infoinformation
 inspinspector
 instinstrument
 instrinstructor
 intelintelligence
 intginterrogator
 intmedintermediate
 intrinterpreter
 IPinstructor pilot
 irinfrared
 ississue

K

kWkilowatt

L

lchrlauncher
 ldglanding, loading
 ldrleader
 LINline item number
 lnliaison
 LOliaison officer
 ltlight
 lt veh dvrlight vehicle driver
 LWBlong wheelbase

M

machmachine/machinist
 maintmaintenance
 matmaterial/materiel
 mblmobile
 mechmechanic
 medmedical
 mgmachinegun
 mgrmanager
 mmmillimeter(s)
 movmovement
 mppsmultipurpose
 mtdmounted
 mtrmotor

O

obsnobservation
 obsrobserver
 opoperation
 orthoorthopedic

P

patholpathological, pathology
 PBproperty book
 PECproduction equipment code
 petrlpetroleum
 pkpack
 pkg-crtgpacking-crating
 pltplatoon
 PMOproject management officer
 progprogrammer
 proppropeller
 PSNCOpersonnel staff noncommissioned officer
 ptpart, pint, point
 ptblportable
 pwrpower
 PWTNpower train

Q

QCquality control
 qualquality/quality

100

RATT	radio teletypewriter
rcl	recoilless
rcvr	receiver
rdo	radio
rdr	radar
rec	record(s)
reefer	refrigerator
regen	regenerative
rep	repair
rept	report(s)
rfl	refuel
rflmn	rifleman
rkt	rocket
rktr	rocketeer
rm	ream, room
rpmn	repairman
rsq	rescue
RT	rough terrain

SA	small arms
scty	security
sec	section
sgl	single
SIDPERS	Standard Installation/Division Personnel System
SL	squad leader
sp	special
spd	speed
SPE	special purpose equipment
spt	support
sqd	squad
sqdn	squadron
stf	staff
stlr	semitrailer
stk	stock
stor	storage
subs	subsistence
subsys	subsystem(s)
sup	supply
supmn	supplyman
supv	supervise/supervisor
surg	surgeon
survl	surveillance
svc	service
swbd	switchboard

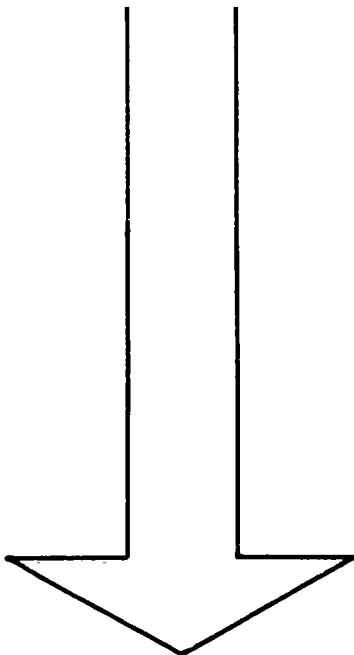
tac	tactical
TACP	tactical air control party
tel	telephone
tfc	traffic
tg	telegraph
therap	therapeutics
tk	tank
tl	truckload
tlr	trailer
tm	team
tml	terminal
trac	tractor
trans	transport
trp	troop
TSEC	telecommunications security
tt	teletypewriter

util **utility**

vehvehicle

whl wheeled
wkr wrecker
wpn weapon
WVEH mech wheeled-vehicle mechanic
WWN with winch

```
xfrm-----transformer
xmit-----transmit
```



PART ONE

INTRODUCTION

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CHAPTER 1

PURPOSE AND SCOPE

PURPOSE

This manual has been written and designed to provide basic information, refresh, and reinforce the commanders, staff officers, and other personnel with the knowledge of Army aviation company, battalion, group, brigade, and Air Cavalry Combat Brigade (ACCB) operations. It is intended for use as a ready reference and as a text for the presentation of instruction on the organization and functions of these Army aviation units.

SCOPE

a. Doctrine is provided on the operation of Army aviation units that engage in combat and aviation combat support of the land forces. For the combat service support functions of Army aviation units, refer to FM 55-40, Army Combat Service Support Air Transport Operation.

b. Applicable TOEs and wire schematics are referenced throughout the manual to assist you should more detailed information on the organization and major items of equipment unique to specific units be required.

c. The manual discusses the relationship of Army aviation to the airspace management element (AME) and air traffic control (ATC) elements of the aviation company, battalion, group, and brigades.

d. Subject to modification to meet environmental considerations, the operations described here have worldwide application.

e. This manual is generally applicable to Army aviation units operating in either low or high threat environments.

f. This manual is in consonance with the following international Standardization Agreements (STANAGs) and Quadripartite Standardization Agreements (QSTAGs):

(1) STANAG 2087, Medial Employment of Helicopters in Ground Warfare.

(2) STANAG 2351, Marshalling Procedures in Air Mobile Operations.

(3) STANAG 2355, Procedures for Employment of Helicopters in the Antiarmor Role.

(4) STANAG 2876, Planning and Coordination Procedures for Airmobile Operations.

(5) STANAG 3114, Aeromedical Training of Flight Personnel.

(6) STANAG 3204, Aeromedical Evacuation.

(7) STANAG 3468, General Rules Covering the Transport of Loads by Helicopter.

(8) STANAG 3532, Transport of Troops by Helicopter.

(9) STANAG 3597, Helicopter Landing Sites - Criteria and Marking.

(10) STANAG 3736, Offensive Air Support Operations.

(11) QSTAG 277, Coordination Procedures Between Ground Elements and Attack Helicopters.

CHAPTER 2

GENERAL

OBJECTIVES OF ARMY AVIATION

The three objectives are (1) to augment the capability of the Army to conduct prompt and sustained land combat, (2) to provide the commander with the mobility, firepower, and staying power needed to win the first battle, and (3) as a member of the combined arms team, to win while outnumbered.

COMMAND RELATIONSHIPS

To facilitate integration of the aviation assets into the overall scheme of maneuver, the aviation unit commander serves as advisor to the ground commander and makes recommendations as to the employment of the aviation unit as part of the combined arms team. Based on the ground commander's decision, the aviation commander organizes and employs his unit(s) to assist the ground commander in accomplishing his mission.

Although the aviator in command of an aircraft is the authority on the technical operation of the aircraft—to include safety-in-flight practices—the Army commander to whose command the aviation unit is assigned or attached exercises the same command function over the aviator, organization, and equipment as he does over other Army units.

ECHELONS ABOVE DIVISION

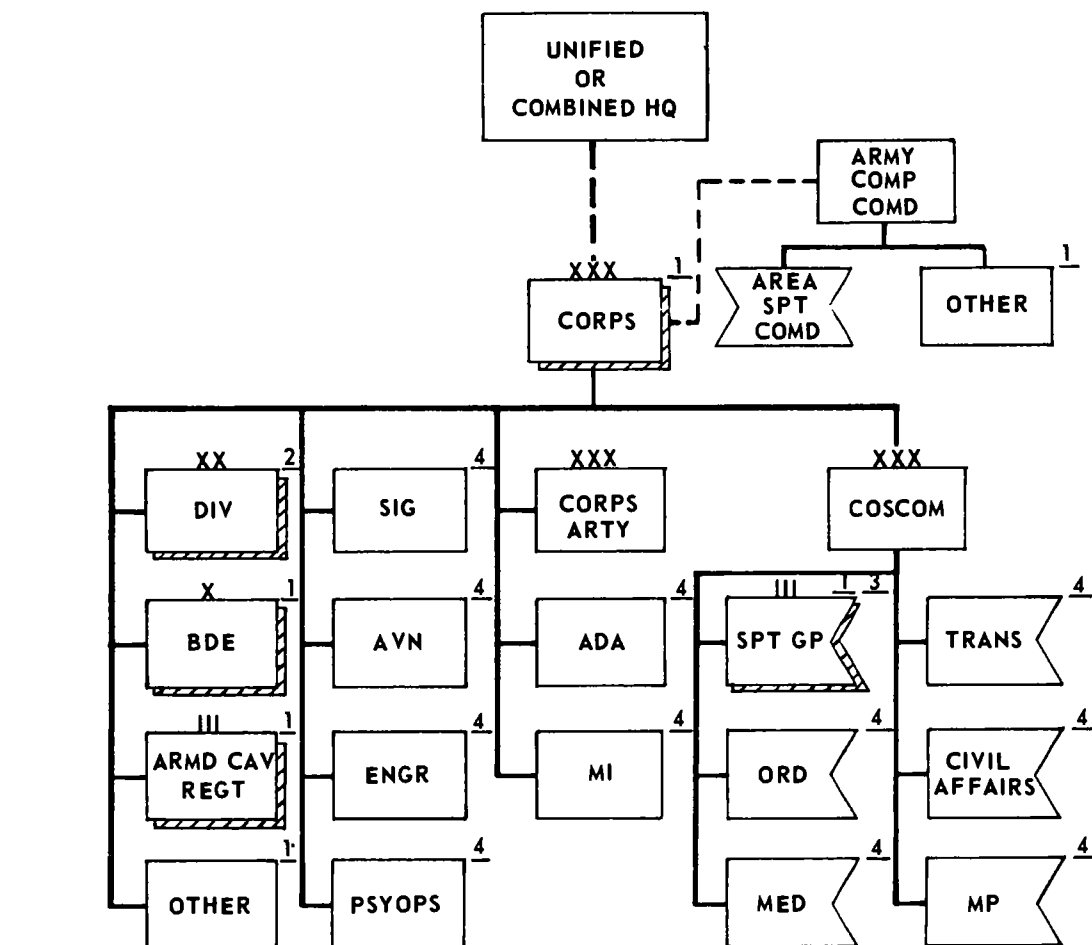
The traditional concepts of structural organization within the US Army, division-corps-field army-army group-theater army, have remained basically unchanged since the 1930s. The evolution of the modern division into a powerful, mobile, and relatively self-contained force dictates that higher echelons supporting and directing its employment should be as few as possible. Accordingly, Army doctrine has changed for echelons above division (EAD) level. The effect of this change was to eliminate the field army as a normal command echelon above the corps. Functions formerly performed by the field army have been passed to higher and lower command echelons. Figure 2-1 shows

the relationship of units throughout the unified or combined command.

The corps. The first echelon above the division is the corps. The corps has tactical, logistical, and administrative responsibility and also has organic combat, combat support, and combat service support elements structured for its employment. In wartime, the corps is under the operational control of the unified commander; however, it remains under command of army component command commander for administrative and logistic support. Corps exercises territorial control and allocates space for units operating in the combat zone with the exception of units assigned to or under operational control (OPCON) of the corps. Although the tactical considerations for employment of the corps are relatively unchanged, its service support functions have been expanded to include many of those previously performed by the field army.

Echelons above corps. In wartime, the army component command commander (fig 2-1) exercises command, less operational control of the corps and other Army elements, over US Army forces. The army component command interfaces with Department of the Army on all support matters involving US Army forces in the theater. In peacetime, the army component command commander normally commands all Army forces. In this role, he carries out contingency planning and is prepared to respond to emergencies.

Normally, the next echelon above the corps in the operational chain of command is an army component command headquarters. The headquarters may be a unified or combined command (fig 2-1). When unusual circumstances require the establishment of a US Army echelon between the corps and unified headquarters, it will have a tactical function only and will be designed as a numbered Army headquarters. The headquarters will be tailored to the situation; hence, its size and composition will vary and be established in tables of distribution and allowances (TDA) and the army component command will provide the resources for this headquarters.



LEGEND	
-----	OPERATIONAL CONTROL (OPCON)
- - - - -	COMMAND LESS OPCON
—————	COMMAND

NOTES
¹NUMBERS AND TYPES OF UNITS WILL VARY WITH REQUIREMENTS.

²FIVE DIVISIONS, MORE OR LESS.

³SUPPORT GROUPS PROVIDE DS SUPPLY AND MAINTENANCE TO NONDIVISIONAL UNITS AND GS SUPPLY AND MAINTENANCE IN SUPPORT OF THE ENTIRE CORPS.

⁴SIZE OF COMMAND AND CONTROL HEAD-QUARTERS WILL DEPEND ON SCOPE AND MAGNITUDE OF ITS MISSION TO INCLUDE THE NUMBER OF SUBORDINATE UNITS ASSIGNED.

Figure 2-1. Unified or Combined Command Organization.

BASIC EMPLOYMENT FACTORS

Factors upon which the employment of Army aviation units is based include the—

- Mission of the supported ground combat force.
- Plan of maneuver of the ground force commander.
- Impracticability of using surface means of transportation.
- Capabilities of available aviation units.
- Availability of necessary landing and pickup zones.
- Availability of air support from other services.
- Availability and expected expenditures of aviation petroleum, oils, and lubricants (POL) and armament.
- Enemy intelligence, particularly the air defense and air offense capability.
- Operational agreements relating to Allied forces and host country forces in air internal defense/development environment.
- Weather and terrain.

DIVISIONAL AVIATION

Aviation elements that are organic to a division are authorized on the basis of each division's requirements for aviation support. Part two of this manual presents an extensive discussion of divisional aviation units for each type of Army division.

NONDIVISIONAL AVIATION

Aviation units assigned to command echelons above division are known as nondivisional aviation units. Their function is to provide aviation support which will assist in accomplishing the corps missions. Allocation of these aviation resources to subordinate commands is normally accomplished on requirement basis. Part three of this manual presents an extensive discussion of these nondivisional aviation assets.

AIRCRAFT MAINTENANCE AND SUPPLY ACTIVITIES

The three-level aviation maintenance and supply system is designed to provide adequate and timely maintenance and supply support for Army aircraft. The structure is based upon the assumption that flyable aircraft requiring maintenance beyond the capability of their aviation unit maintenance (AVUM) will be flown to an appropriate aviation intermediate maintenance (AVIM) unit. For unflyable aircraft, maintenance support will be performed on site by contact teams from AVIM units or the aircraft may be evacuated to the supporting aircraft maintenance site. The maintenance system is designed to repair unserviceable materiel at the most forward location practical and return it to service as soon as possible. In keeping with this principle, aircraft maintenance and supply activities are employed at the lowest practical level to insure maximum availability of aviation assets to the ground commander. Chapter 11 of this manual discusses the three-level maintenance concept, the nondivisional AVIM company, and the maintenance supply system.

CAPABILITIES AND LIMITATIONS

Capabilities. Throughout this manual, the capabilities of specific Army aviation units will be given. These are based on operations under conditions permitting optimum use of personnel and aircraft. The capability of an aviation unit can be accurately estimated only by application of the unit's basic capabilities to the conditions expected to exist during an operation. Variable factors that must be considered include density altitude, wind velocity, terrain, aircraft condition, and aviator proficiency. The aviation unit commander is responsible for applying such variable factors to his unit's capability and for advising the ground commander as to the airlift or other capability of his unit.

Limitations. Limitations stated in this manual are for specific units and are normally the result of TOE structuring. They do not include characteristics generally common to all units containing aircraft. Some of these restrictions are identified below:

- Vulnerability to enemy air defense measures and enemy aircraft.
- High consumption rates for POL and ammunition.
- Relatively high maintenance requirements when compared to other means of transportation.
- Effects of adverse weather conditions.
- Reduced ability to defend aircraft and base position while participating in operations.
- Limited capability to lift heavy equipment.
- Continuous 24-hour operation which may be limited by personnel and aircraft assigned.

ARCSA III CONCEPT

Aviation Requirements for the Combat Structure of the Army (ARCSA) III represents a study performed by the United States Army Training and Doctrine Command (TRADOC). ARCSA III is a joint effort between representatives from aviation table(s) of organization and equipment (TOE) proponent centers, schools, and other agencies.

The purpose of ARCSA III was to ascertain the total aviation requirement to equip the Army, both Active and Reserve Components (RC), to fight in an air defense, high-threat environment during the next decade. Implementation of ARCSA III is underway with tables of organization and equipment being revised or designed as necessary. Tables of organization and equipment will not be finalized until late FY 77. Realignment of personnel and equipment to the total ARCSA III force structure will be completed by FY 88.

ARCSA III BREAKTHROUGHS

- The number of "separate" units was reduced and located within the division or corps structure.
- The aviation force was reorganized to accommodate new doctrine, tactics, and equipment projected in the next few years.
- The number of aircraft organic to tables of distribution and allowances (TDA) organizations not performing combat roles was decreased.

DIVISION RESTRUCTURING STUDY (DRS)

Unlike ARCSA III, division restructuring is undergoing development and is not an approved study. Because the combat potential of

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modern armies and the technology, increased mobility, range, volume, and lethality of weapons systems is on the upswing, the United States Army Training and Doctrine Command (TRADOC) has been tasked to examine how the Army should organize its combat divisions to implement changes in doctrine, tactics, and hardware. The reader is cautioned that the strengths, numbers of weapons systems, and structures discussed in appendix G are subject to change as the development continues.

DRS CONCEPTS

- To optimize the new family of weapons and the doctrine of FM 100-5, "Operations," we must design an organization to support the weapon system rather than placing the new equipment in the existing organization.

- The battalion commander will be the primary level for integration of the combined arms. The more experienced battalion commander with the assistance of his staff will be better able to integrate and coordinate the combined arms team than the company commander who has no staff.

AIRMOBILE OPERATIONS

The capabilities of each aviation unit to participate in airmobile operations are integrated throughout the manual. FM 90-4, *Air Assault Operations*, provides guidance for training, planning, and tactical employment of infantry units during air assault operations.

NIGHT OPERATIONS

Properly planned and executed night operations give friendly forces a tactical and psychological advantage over the enemy. Where the enemy relies on the cover of darkness to provide him the freedom of action

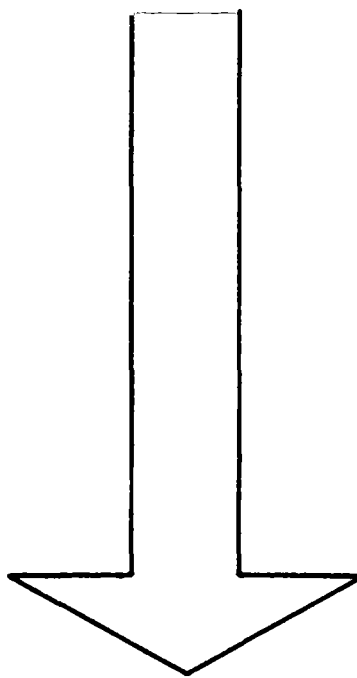
necessary to conduct and support combat operations, night operations give friendly forces an opportunity to disrupt, disorganize, and demoralize the enemy's night effort. The increased reliance placed upon electronic and sophisticated sighting and sensing equipment during night operations by both friendly and enemy forces requires that electronic counter-countermeasures be taken whenever possible. Since night operations require more detailed planning and carefully designed control measures than day operations, early liaison and planning should be initiated to develop a mutual understanding of requirements. TC 1-28, *Rotary Wing Night Flight*, presents the basic doctrine for night operations.

ATTACK HELICOPTERS

The attack helicopter is primarily employed with—or to the rear of—the ground forces along the forward edge of the battle area (FEBA) to counterattack enemy armor and mechanized formations; to provide security for utility helicopters when air-to-ground suppressive fires are required; to exploit enemy weakness; and to rapidly reinforce and conduct reconnaissance.

TRAINING

The broad training principles and policies for unit commanders are set forth in the appropriate Army Training and Evaluation Programs (ARTEPs) for each type unit. Training in aviation units consists of that training required for effective mission performance. Integrated training, in which an aviation unit participates in training exercises with the same ground units that are to be supported in a planned operation, is of particular value to both the aviation unit and the ground unit. The aviation unit operations and training officer (S3) prepares the unit training program and is responsible to the commander for its implementation.



PART TWO

DIVISIONAL AVIATION

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CHAPTER 3

AVIATION OF THE INFANTRY AND AIRBORNE DIVISIONS

Section I. INFANTRY DIVISION

COMPOSITION

The composition of the infantry division is as shown in figure 3-1. Those units highlighted either maintain, or are involved directly with, the support of aviation elements.

MISSION

The mission of the infantry division is to destroy or capture enemy forces and to control land areas and their population and resources. Its organic aviation elements are specifically designed to support this mission.

EMPLOYMENT

The infantry division is capable of sustained land combat under all-weather conditions and over all terrain. It is formed by the assignment of predominantly infantry maneuver units.

With its organic aircraft, the infantry division readily conducts limited air assault and airmobile operations. Appropriately reinforced with ground or air transport means, the infantry division can conduct highly mobile operations. Since this division does not rely on its vehicles for mobility, it is ideally suited for employment where difficult terrain (i.e., swamps or mountains) renders armored and mechanized units relatively ineffective. The division's organic aircraft afford its maneuver units the advantage of mobility and increased flexibility to rapidly deploy in this environment.

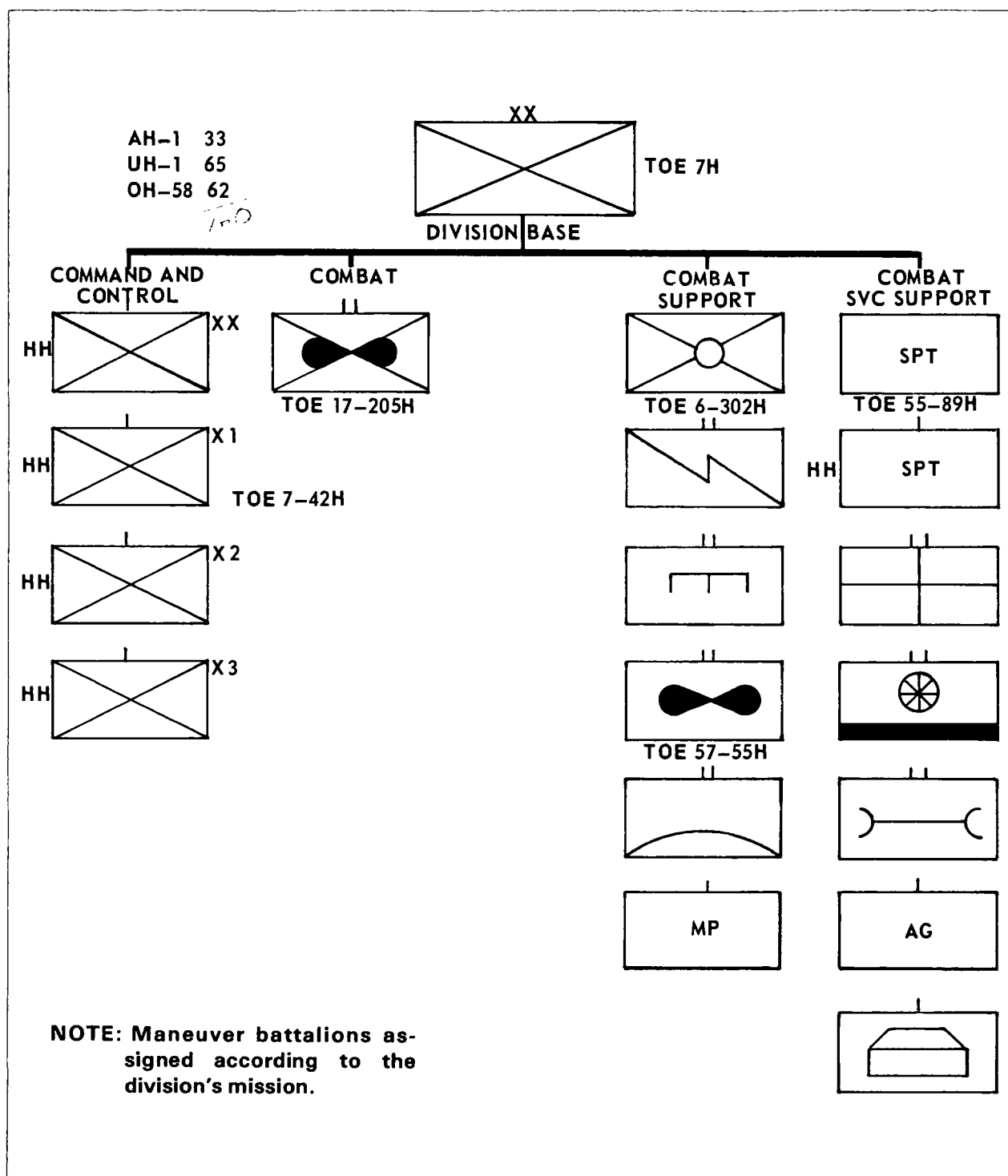


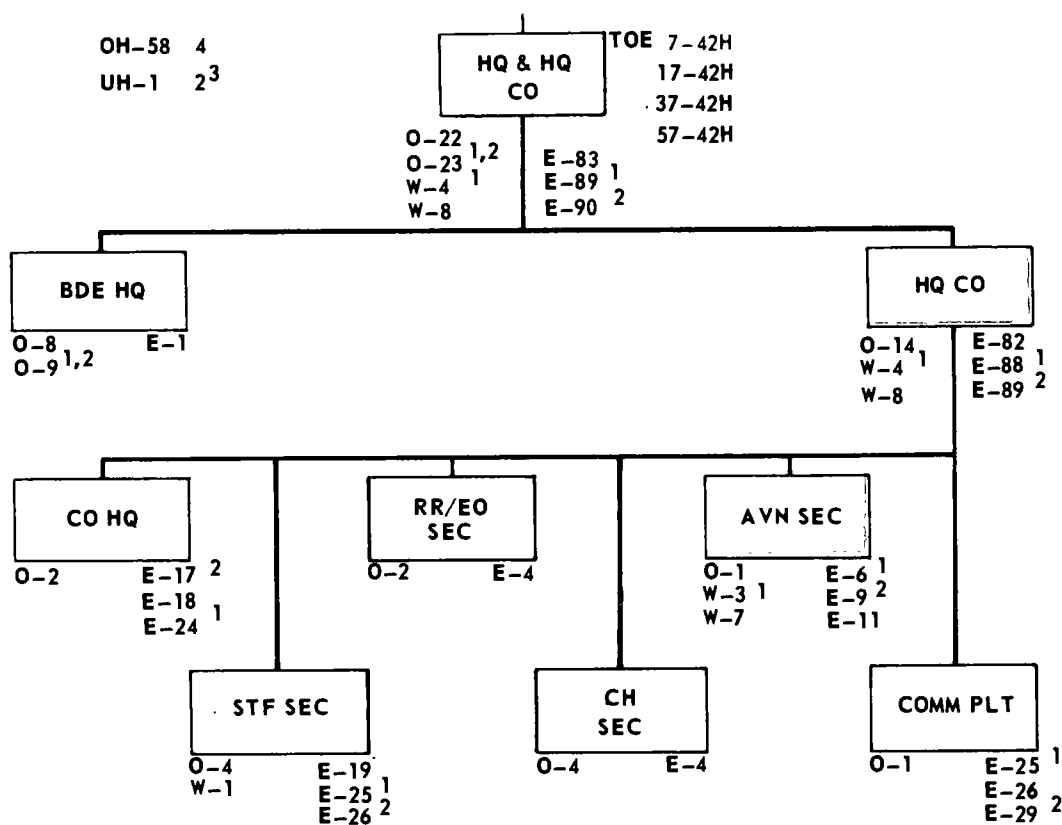
Figure 3-1. Infantry Division Base.

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AVIATION SECTION, HEADQUARTERS AND HEADQUARTERS COMPANY, INFANTRY DIVISION BRIGADE, ARMORED DIVISION BRIGADE, INFANTRY DIVISION BRIGADE (MECH), AND AIRBORNE DIVISION BRIGADE

COMPOSITION

The aviation section of an infantry division brigade is located within the brigade headquarters company.



¹ Applies strictly to TOE 17-42H and TOE 37-42H; otherwise, personnel quantities apply to all the various division brigades.

² Applies strictly to TOE 57-42H; otherwise, personnel quantities apply to all the various division brigades.

³ Not organic to TOE 17-42H and TOE 37-42H.

Figure 3-2. Headquarters and Headquarters Company, Infantry Division Brigade (TOE 7-42H), Armored Division Brigade (TOE 17-42H), Infantry Division Brigade (Mechanized)(TOE 37-42H), Airborne Division Brigade (TOE 57-42H).

MISSION

The mission of the aviation section is to provide limited aviation support to the units attached to the brigade.

ASSIGNMENT

One aviation section is organic to the headquarters and headquarters company of each infantry division brigade.

CAPABILITIES

- Provides helicopters for command and control of the units of the brigade.
- Conducts aerial observation and reconnaissance.
- Conducts aerial wire laying.
- Performs radiological survey.
- Within its capability, performs limited medical evacuation and resupply missions.

LIMITATIONS

This section is dependent upon the transportation (3-32A, 3-39, 4-8A, 5-69A (Bn), 8-45A, 11-3A) aircraft maintenance company (fig 3-9) of the division maintenance battalion for backup aviation unit maintenance and 100 percent aviation intermediate maintenance.

MOBILITY

The section is 100 percent mobile in its organic aircraft and vehicles.

EMPLOYMENT

Normally, the brigade aviation section is under the staff supervision of the brigade S3 who allocates the aircraft to the subordinate units on a *need* basis. The aircraft normally work from the brigade helipad on a mission basis.

AVIATION SECTION DATA ONLY

PERSONNEL

AVN SEC, INF DIV BDE (TOE 7-42H)			
1	CPT	Sec Cdr	15A11
4	WO	Pilot, OH-58	100G0
3	WO	Pilot, UH-1	100B0
1	E-6	Hel Tech Insp	67W3F
4	E-5	OH-58 CRC	67V20
2	E-5	UH-1 CRC	67N2F
1	E-4	Mat Supmn	76D10
1	E-4	Avionics Mech	71P10
1	E-4	Flt Op SP	71P10
1	E-4	UH-1 Rpmn	67N10
AVN SEC, ARMD (TOE 17-42H)/INF (MECH) DIV BDE (TOE 37-42H)			
1	CPT	Sec Cdr	15A11
3	WO	Pilot, OH-58	100G0
4	E-5	OH-58 CRC	67V20
1	E-6	OH-58 Tech Insp	67V3F
1	E-4	Avionics Mech	35K10

AVN SEC, ABN DIV BDE (TOE 57-42H)			
1	CPT	Sec Ldr	15A11
5	WO	RW Pilot	100G0
1	WO	Flt Safety Tech	100GB
1	WO	IP	100GC
1	E-6	Hel Tech Insp	67W3F
4	E-5	OH-58 CRC	67V2PorF
2	E-5	UH-1 CRC	67N2F
*1	E-4	Avionics Mech	35K1P
*1	E-4	UH-1 Rpmn	67N1P
* When applied to the aviation section, airborne division brigade, the last digit of this MOS is "P", denoting airborne qualification for enlisted personnel only.			

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

HHC, INF DIV BDE (TOE 7-42H)			
Comd console: ASC-15	2	Pwr sup: VEH Z-ACD	1
Genr: 1.5 kW, AC	2	Intg, cmpt: KIR-1A/TSEC	1
Genr: 7.5 kW, DC	1	Rdo set con gp: GRA-39	1
Hel, obsn: OH-58A	4	Revolver: .38 sp	5
Hel, util: UH-1H	2	Rifle: 5.56mm	5
Lchr, gren: 40mm, mtd	1	Equip, speech scty (abn): TSEC/KY-28; 38	5
Mg, 7.62mm: acft, 1t door-mtd	4	Tlr, cgo: 1½-ton	1
Pwr sup: PP-2953/U & VEH Z-ACD P43177	2	Trk, cgo: 1¼-ton	1
Rdo set: PRC-41, 77 & 90	16	Trk, cgo: 2½-ton	1
Rdo set: VRC-47	1	HHC, ABN DIV BDE (TOE 57-42H)	
Rdo set con gp: GRA-39	1	Comd console: ASC-15	2
Revolver: .38 sp	11	Genr: 1.5 kW, AC	2
Rifle: 5.56mm	8	Genr: 7.5 kW, DC	1
Equip, speech scty (abn): TSEC/KY-28	6	Hel, obsn: OH-58A	4
Tlr, cgo: 1½-ton	1	Hel, util: UH-1H	2
Trk, cgo: 1¼-ton	1	Lchr, gren: 40mm	1
Trk, cgo: 2½-ton	1	Mg, 7.62mm: acft, 1t door-mtd	2
HCC, ARMD (TOE 17-42H)/INF (MECH) DIV BDE (TOE 37-42H)		Pwr sup, VEH: Z-ACD	1
Genr: 1.5 kW, AC & DC	3	Rdo set: GRC-160	1
Genr: 7.5 kW, DC	1	Rdo set: PRC-77 & 90	14
Hel, obsn: OH-58A	4	Rdo set: VRC-24	1
Lchr, gren: 40mm	1	Rdo set con gp: GRA-39	1
Rdo set: PRC-41 & 90	9	Revolver: .38 sp	11
Rdo set: VRC-47	1	Rifle: 5.56mm	6
Transponder, cmpt: KIT-1A/ TSEC	4	Equip, speech scty (abn): TSEC/KY-28, 38	7
		Tlr, cgo: 3/4-ton	1
		Intg, cmpt: KIR-1A/TSEC	1
		Transponder, cmpt: KIT-1A/ TSEC	6
		Trk, cgo: 1¼-ton	2

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AVIATION SECTION, HEADQUARTERS AND HEADQUARTERS
BATTERY, DIVISION ARTILLERY (DIVARTY),
AIM DIVISION (TOE 6-302H)

COMPOSITION

The DIVARTY aviation section is located within the headquarters battery.

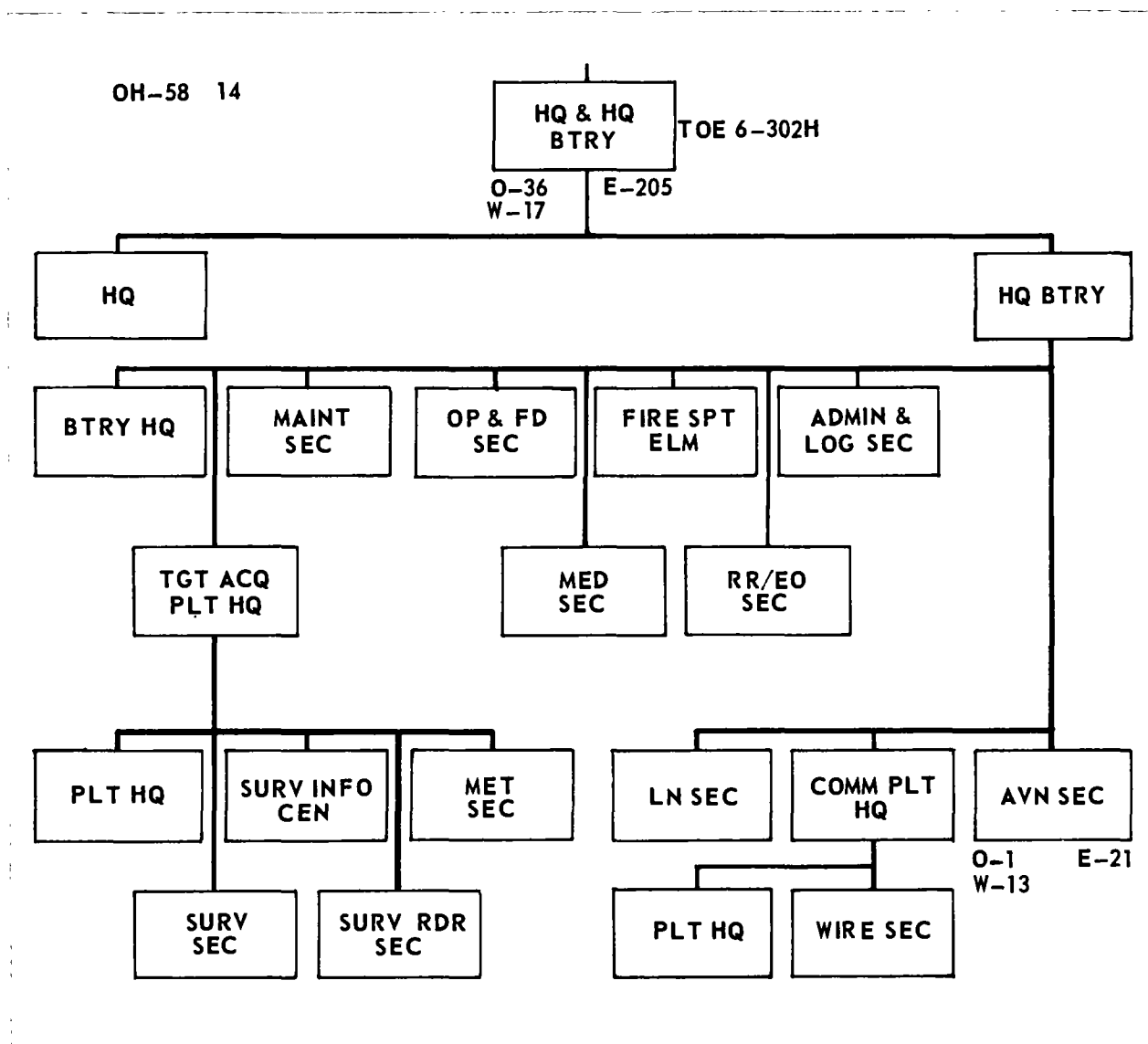


Figure 3-3. Headquarters and Headquarters Battery, Division Artillery (DIVARTY), Armored-Infantry-Mechanized (AIM) Division.

MISSION

The mission of the aviation section is to provide limited aviation support to the division artillery units.

ASSIGNMENT

One aviation section is organic to the headquarters and headquarters battery, division artillery.

CAPABILITIES

- Provides aerial adjustment of artillery fires using forward observers from within DIVARTY headquarters.
- Provides helicopters for command, control, and liaison.
- Conducts aerial reconnaissance.
- Performs limited aerial resupply.
- Augments the Army medical service for aeromedical evacuation.
- Performs radio relay.
- Conducts aerial wire laying.
- Conducts radiological survey.
- Performs aviation unit maintenance on its organic aircraft.

MOBILITY

The section is 100 percent mobile in its organic aircraft and vehicles.

EMPLOYMENT

The division artillery aviation section is under the staff supervision of the DIVARTY S3. One aircraft is normally allocated to each subordinate field artillery battalion on a daily basis, while the remainder of the available aircraft are on call at division artillery headquarters.

PERSONNEL

AVN SEC, AIM DIV (TOE 6-302H)

1	CPT	Sec Ldr	13A00
10	WO	RW Pilot, OH-58	100G0
1	WO	RW Flt Safety Tech	
		Insp	67V2F
1	WO	RW Instr, OH-58	100GC
1	WO	RW Inst Exam, OH-58	100G6
*1	E-5	Sr Avionics Mech	35K20
2	E-6	OH-58 Tech Insp	67V3F
*1	E-6	Sec Ch	67V30
**1	E-4	Acft Fuel Hdlg SP	76W10
*14	E-5	OH-58 CRC	67V20
***1	E-3	Rdo Tel Op	67V10
*1	E-4	Avionics Mech	35K10

*When applied to the aviation section of the airborne division artillery (TOE 6-201H), the last digit of this MOS is "P", denoting airborne qualification for enlisted personnel only.

**Materiel Supplyman, MOS 67D1P, is substituted for this position under airborne division artillery (TOE 6-201H).

***Radio Operator, MOS 13B1P, is substituted for this position under airborne division artillery (TOE 6-201H).

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

AVN SEC, AIM DIV (TOE 6-302H)

Genr: 0.3 kW, AC	1
Genr: 0.5 kW, AC	1
Genr: 1.5 kW, AC	2
Genr: 7.5 kW, DC	2
Hel, obsn: OH-58A	14
Rdo set: PRC-77 & 90	29
Revolver: .38 sp	16
Rifle: 5.56mm	19
Tlr, cgo: 1 ½-ton	2
Trk, cgo: 2 ½-ton	1
Trk, tk: fuel svc, 2 ½-ton	1
Intg, cmpt: KIR-1A/TSEC	1
*Rdo set: VRC-46	1

*Rdo set con gp: GRA-39 1

*Equip, speech scty (abn):
TSEC/KY-28 14

*Tlr, cgo: ¼-ton 1

*Tlr, cgo: 3/4-ton 2

*Tlr, cgo: 1 ¼-ton 2

*Trk, util: ¼-ton 1

Transponder, cmpt: KIT-1A/
TSEC 14

*These line item numbers (LINs) are added entries only when applied to the Avn Sec of the HHB, Abn DIVARTY (TOE 6-201H).

COMBAT AVIATION BATTALION, INFANTRY DIVISION (TOE 57-55H)

The battlefield of the future will be characterized by movement; thus, the rapid maneuverability of forces to either act or react assumes tremendous significance. The combat aviation battalion affords the division commander the maneuverability to deal with the threat.

COMPOSITION

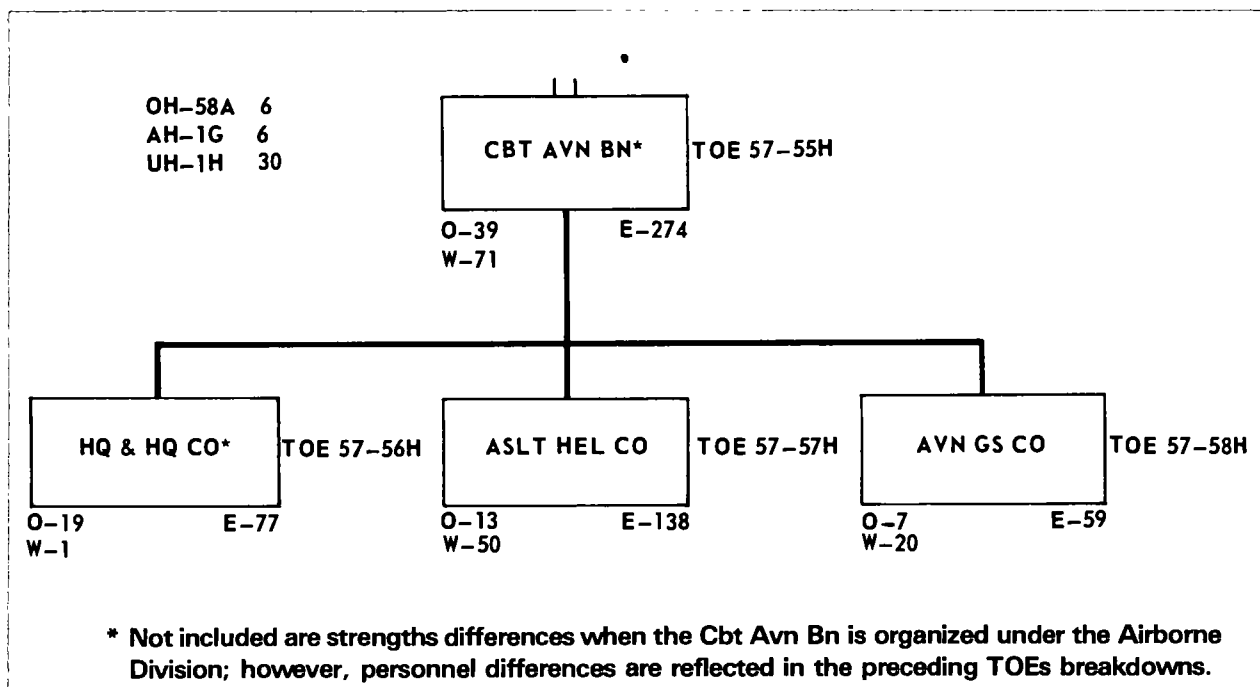


Figure 3-4. Combat Aviation Battalion, Infantry Division and Airborne Division.

MISSION

The mission of the combat aviation battalion is to provide aviation support for the division headquarters, division support command, and other divisional units without organic aircraft. Additionally, it will provide general support and reinforcement to units possessing organic aircraft and an aircraft special staff section for the division headquarters.

ASSIGNMENT

One combat aviation battalion is organic to the infantry division.

CAPABILITIES

- Provides aviation special staff personnel for the division headquarters, to include personnel to man the aviation element of the division airspace management element (AME).

- Provides air messenger service.

- Provides aerial radio relay when required by the division headquarters.

- Provides airlift for air assault operations. •

NOTE: Based on 80 percent availability of organic aircraft, provides—in a single lift—airlift for the assault elements of one dismounted infantry rifle company.

- Provides an instrumented airfield with terminal flight facilities to include ground controlled approach (GCA).

- Provides aircraft to support the division headquarters, division support command, and other units without organic aircraft.

- Augments the Army air ambulance resources by airmovement of sick and wounded personnel when requested by medical authority.

- Reconnoiters and marks dropsites or landing sites to insure accurate delivery of personnel and materiel by paradrop or airlanding operations.

- Assists in navigation and control of Army aircraft in the objective area.

- Provides 24-hour operations.

- Provides aerial observation, reconnaissance, and surveillance (day and night) of enemy areas to locate, verify, and evaluate targets and to adjust indirect fires.

- Performs organizational maintenance on organic equipment except medical.

- Performs the aviation intermediate maintenance to include backup aircraft maintenance support for aviation unit maintenance.

- Engages in its portion of division defensive plan.

LIMITATIONS

This organization is dependent upon—

- The division's adjutant general company for personnel and administrative services.
- The division's finance company for finance services.
- The signal battalion for radio teletypewriter communications and multi-channel capability.

MOBILITY

- The battalion is approximately 85 percent mobile in its organic vehicles and aircraft. For a more complete understanding of organization's mobility, refer to the mobility paragraph of its subordinate units.
- The battalion is fully air transportable in US Air Force aircraft.

EMPLOYMENT

The battalion headquarters is normally located in the vicinity of the division instrumented airfield. To reduce vulnerability to enemy air attacks, raids, or guerrilla activity, subordinate units are usually dispersed throughout the division rear area. The assault helicopter company is normally located near the division reserve to facilitate rapid reaction for the rear area protection force.

The battalion is not normally employed as a unit; however, it can be employed as such, if the tactical situation so dictates. Normally, elements of the battalion are assigned missions, within their capabilities, to provide continuous support to the units of the division. Priority of these missions is established by the division G3 who then allocates the use of the aircraft on a mission basis.

HEADQUARTERS AND HEADQUARTERS COMPANY,
COMBAT AVIATION BATTALION, INFANTRY DIVISION (TOE 57-56H)

COMPOSITION

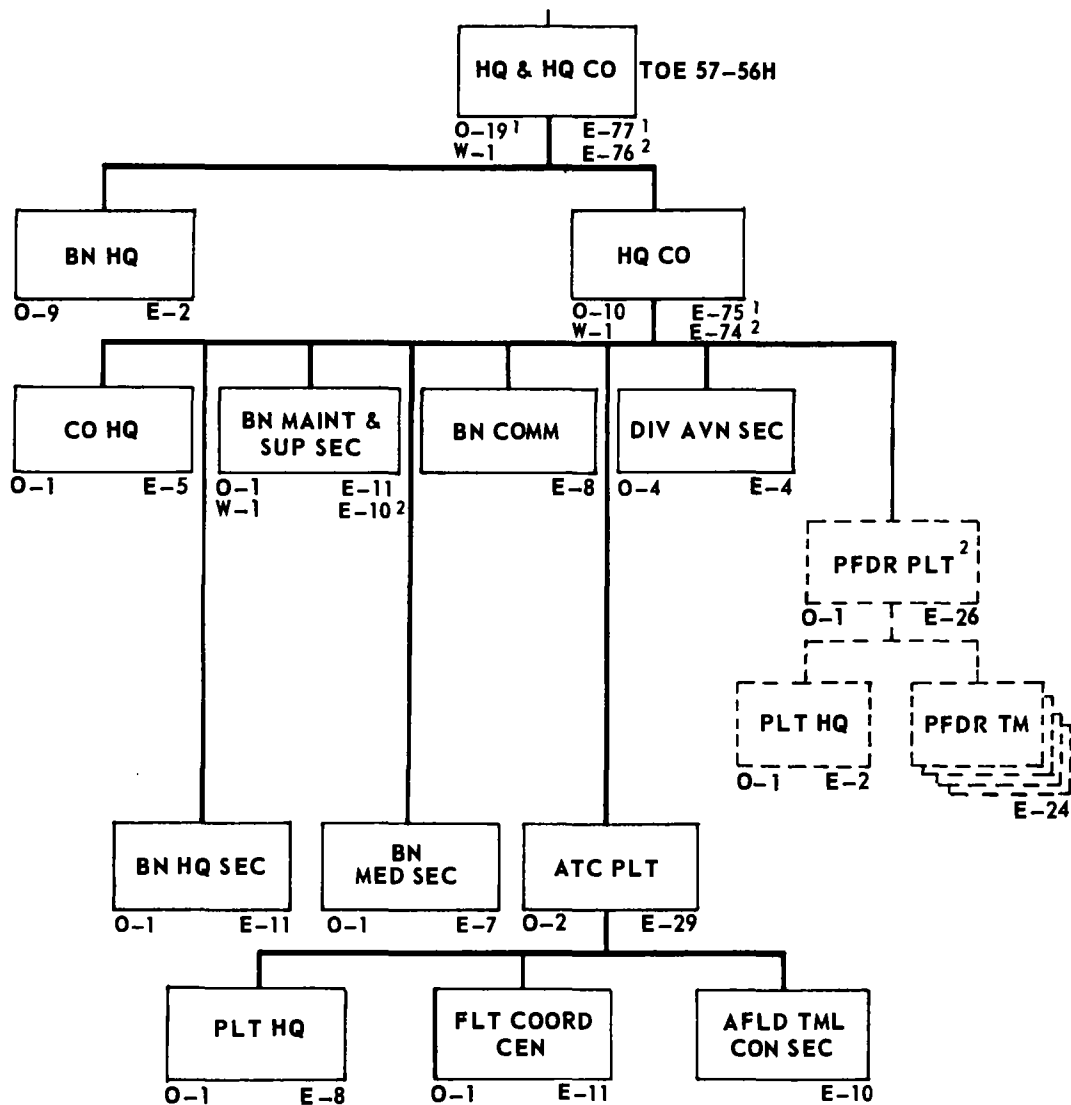


Figure 3-5. Headquarters and Headquarters Company, Combat Aviation Battalion, Infantry and Airborne Division.

MISSION

This company provides command, control, and administration for the aviation battalion. It also provides aviation special staff personnel for the division headquarters and pathfinder support for the organic brigades of the division.

ASSIGNMENT

There is one headquarters and headquarters company organic to the combat aviation battalion.

CAPABILITIES

- Commands, controls, and performs staff planning and supervision of operations for the companies of the battalion and any attached aviation units.
- Provides aviation special staff personnel for the division headquarters.
- Provides pathfinder support for the infantry brigades and the assault helicopter company as required.
- Provides personnel to supervise battalion supply, organizational maintenance, and administration for organic and attached units.
- Operates an instrumented airfield with terminal flight facilities to include ground controlled approach (GCA).
- Provides unit-level medical support to the battalion, to include medical care and evacuation within the battalion, and establishment of an aid station.
- Provides enroute air traffic control of aircraft operating under instrument flight rules within the division area.
- Performs organizational maintenance on organic equipment, except medical.

MOBILITY

- This company is 70 percent mobile in its organic vehicles.
- It is 100 percent air transportable in the US Air Force C-130 Hercules, C-141 Starlifter, or C-5A Galaxy aircraft.

EMPLOYMENT

The headquarters and headquarters company normally operates from the division instrumented airfield. The company is responsible for establishing the battalion command post (CP). This company and the aviation general support company establish and operate the division instrumented airfield together. Since dining facilities for this unit are provided by the aviation general support company, they are normally collocated. Organization of the sections within the company provides flexible employment to meet operational requirements. The terrain, enemy situation, or the division's mission may require that the company operate from more than one location. When this occurs, the company will require additional communications equipment and personnel.

**DIVISION AVIATION SECTION,
HEADQUARTERS AND HEADQUARTERS COMPANY,
COMBAT AVIATION BATTALION, AIRBORNE DIVISION (TOE 57-56H)**

The battalion commander is also the division aviation officer. While filling both positions, he is responsible for keeping the division commander informed and advised on all matters concerning the employment of all organic or nonorganic Army aviation units and elements supporting the division.

The division aviation officer may, when delegated by the division commander, exercise operational control of all Army aviation assets assigned or attached to, or under the operational control of, the division.

To assist the battalion commander in duties of the division aviation officer, he has a special staff section consisting of a major and two enlisted persons. This section prepares the aviation annex to all division orders and recommends to the division G3 the allocation of Army aviation assets to support the requirements of the division.

PERSONNEL

HHC, CBT AVN BN, INF/ABN DIV (TOE 57-56H)

BN HQ

1	LTC	Bn CO	15A11
1	MAJ	XO	15A11
1	MAJ	S3	15A11
1	CPT	Flt Surg	61N00
1	CPT	Avn Safety Off	15A11
1	CPT	S1	15A41
1	CPT	S2	15A35
1	CPT	S4	15A92
1	CPT	C-E Stf Off	15A25
1	E-9	CSM	00Z5P
1	E-7	Sr CARCSLR	00E4P

CO HQ

1	CPT	Co Cdr	11B00
1	E-8	1SG	67Z5M
1	E-6	Sup SGT	76Y30(P)
1	E-5	Unit Clk	75B20(P)
1	E-4	Armr	76Y10(P)
***1	E-4	Veh Dvr	64C10
**1	E-4	Lt Veh Dvr	71B1P

BN HQ SEC

1	CPT	Op Off	15A11
1	E-8	Op SGT	71P50(P)
1	E-8	Ch Intel SGT	96B50(P)
1	E-7	PSNCO	75Z40(P)
1	E-6	Legal Clk	71D30(P)
1	E-6	Cml Stf NCO	54E30(P)
**2	E-4	Veh Dvr	64C1(P)
**2	E-4	Clk-Typist	71B10(P)
***1	E-4	Veh Dvr	71B10
1	E-4	Flt Op SP	71P10(P)
1	E-4	Gen Dftmn	81A10(P)

BN HQ SEC (Cont)

1	E-3	Flt Op SP	71P10(P)
**2	E-3	Sup Clk	76Y1P

BN MAINT/SUP SEC

1	CPT	Maint Off	71A00
1	WO	Autmv Maint Tech	631A0(7)
1	E-7	Ch Hel Tech Insp	67W4F
***1	E-6	Bn Mtr SGT	63B30
1	E-7	Acft Maint SGT	67Z40(P)
**1	E-6	Mtr SGT	63B4P
1	E-4	PLL Clk	76T10(P)
2	E-4	WVEH Mech	63B10(P)
2	E-4	GP Pwr Genr Op/Mech	52B10(P)
***1	E-3	WVEH Mech Helper	63B10
2	E-3	Pwr Genr Equip Helper	52B10(P)

BN COMM SEC

1	E-6	Sec Ch	91B30(P)
1	E-6	Clin SP	91C30(P)
1	E-5	Med Aidman	91B20(P)
1	E-4	Avionics Mech	35K1P
1	E-4	Clin SP	91C10(P)
1	E-4	Med Aidman	91B10(P)
1	E-3	Med Aidman	91B10(P)
1	E-3	Amb Dvr	91B10(P)

BN MED SEC

1	CPT	Acft Maint Off	71A00
***1	E-6	Sec SGT	91B30
**1	E-7	Acft Maint SGT	67Z4P
***1	E-5	Clin SP	91C20

PERSONNEL

BN MED SEC (cont)

**1	E-7	Sup SGT	76Y4P
***1	E-5	Med Aidman	91B20
**1	E-5	Gen Supmn	76Y2P
***1	E-5	Med Lab SP	92B20
***	E-4	PLL Clk	76D10
**2	E-7	Ch Hel Tech Insp	67W4F
***1	E-4	Med Aidman	91B10
1	E-3	Gen Supmn	76Y10(P)
**1	E-6	Mtr SGT	63B3P

DIV AVN SEC

1	MAJ	Asst Div Avn Off	15A11
1	CPT	Op Off	02518
1	CPT	Stdzn Off	15A11
1	CPT	Asst Op Off	02518
1	E-6	Flt Op Ch	71P3P
1	E-4	Clk-Typist	71B10(P)
1	E-4	Flt Op SP	71P10(P)
1	E-3	Flt Op SP	71P10(P)

ATC PLT HQ

1	CPT	Plt Ldr	15A25
1	E-8	ATC Fac Ch	93J50(P)
***1	E-4	Veh Dvr	64C10
**1	E-4	Veh Dvr	71B1P
2	E-4	Flt Op SP	71P10(P)
2	E-4	Telecom Cen SP	72E10(P)
2	E-3	Flt Op SP	71P10(P)

FLT COORD CEN

1	LT	Flt Op Off	15A11
1	E-7	Apch Con Ch	93J40(P)
2	E-6	Apch Con Supv	93J30(P)

FLT COORD CEN (cont)

2	E-5	Apch Con SP	93J20(P)
2	E-4	Apch SP	93J10(P)
2	E-4	Telecom Cen SP	72E10(P)
2	E-3	Apch SP	93J10(P)

AFLD TML CON SEC

1	E-7	GCA Ch	93J40(P)
1	E-7	ATC GCA Ch	93J40(P)
1	E-6	GCA Supv	93J30(P)
1	E-6	ATC Tower Supv	93H30(P)
1	E-5	GCA SP	93J20(P)
*1	E-5	ATC Tower Op	93H20(P)
*1	E-4	ATC Tower Op	93H10(P)
*1	E-4	GCA SP	93J10(P)
*1	E-3	GCA SP	93J10(P)
*1	E-3	ATC Tower Op	93H10(P)

**PFDR PLT HQ

1	LT	Plt Ldr	11B00
1	E-7	Plt SGT	11B4Y
1	E-3	Rdo Op	11B1Y

**PFDR TM

4	E-6	Tm Ldr	11B3Y
4	E-5	Asst Tm Ldr	11B2Y
8	E-4	Sr Pfdr	11B1Y
8	E-3	Pfdr	11B1Y

NOTE: Data in parenthesis pertains to the airborne division. The "P" denotes airborne qualification.

*Augmentation

**Organic to airborne division

***Organic to infantry division

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

HHC, CBT AVN BN, INF/ABN DIV (TOE 57-56H)			
Revolver, cal .38: 4-in bbl	18	Acft con cen: AN/TSQ-70	1
Rifle: 5.56mm	110	Rdo set: TRN-30	6(4)
Trk, cgo: 3/4-ton, 4x4	8	Beacon: 1t MX-7301/TVN	(9)
Trk, amb: 1/4-ton, 4x4	1	Ldg con cen: AN/TSQ-71	1
Trk, cgo: 2 1/2-ton, 6x6	4	Flt coord cen: AN/TSC-61	1
Trk, util: 1/4-ton, 4x4	7(1)	Equip, speech scy (abn):	
Tlr, cgo: 1/4-ton, 2-whl	(1)	TSEC/KY-38	4
Tlr, cgo: 3/4-ton, 2-whl	6	Genr set: 30 kW, 60 Hz	1
Rdo set: AN/PRC-77	12(10)	Genr set: 10 kW, 60 CY AC	1
Genr set: 5 kW, 400 Hz AC	2	Lchr, gren: 40mm	6
Genr set: 1.5 kW, 60 Hz, AC	5	Mg: 7.62mm	4
Genr set: 3 kW, 28V & 120V	6	Night vision sight: AN/PVS-2	(4)
Genr set: 10 kW, 400 Hz	1		
Rdo set: AN/VRC-46	1		
Rdo set: AN/VRC-47	4(1)		
Rdo set con gp: AN/GRA-39	3		

NOTE: Data in parenthesis indicates equipment quantities unique to the PFDR PLT only.

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ASSAULT HELICOPTER COMPANY, COMBAT AVIATION BATTALION, INFANTRY DIVISION, AND AIRBORNE DIVISION (TOE 57-57H)

COMPOSITION

The assault helicopter company furnishes the division a company-sized air assault capability. When larger air assault operations are conducted by the infantry division, it receives aviation support from the assault helicopter battalions assigned to corps.

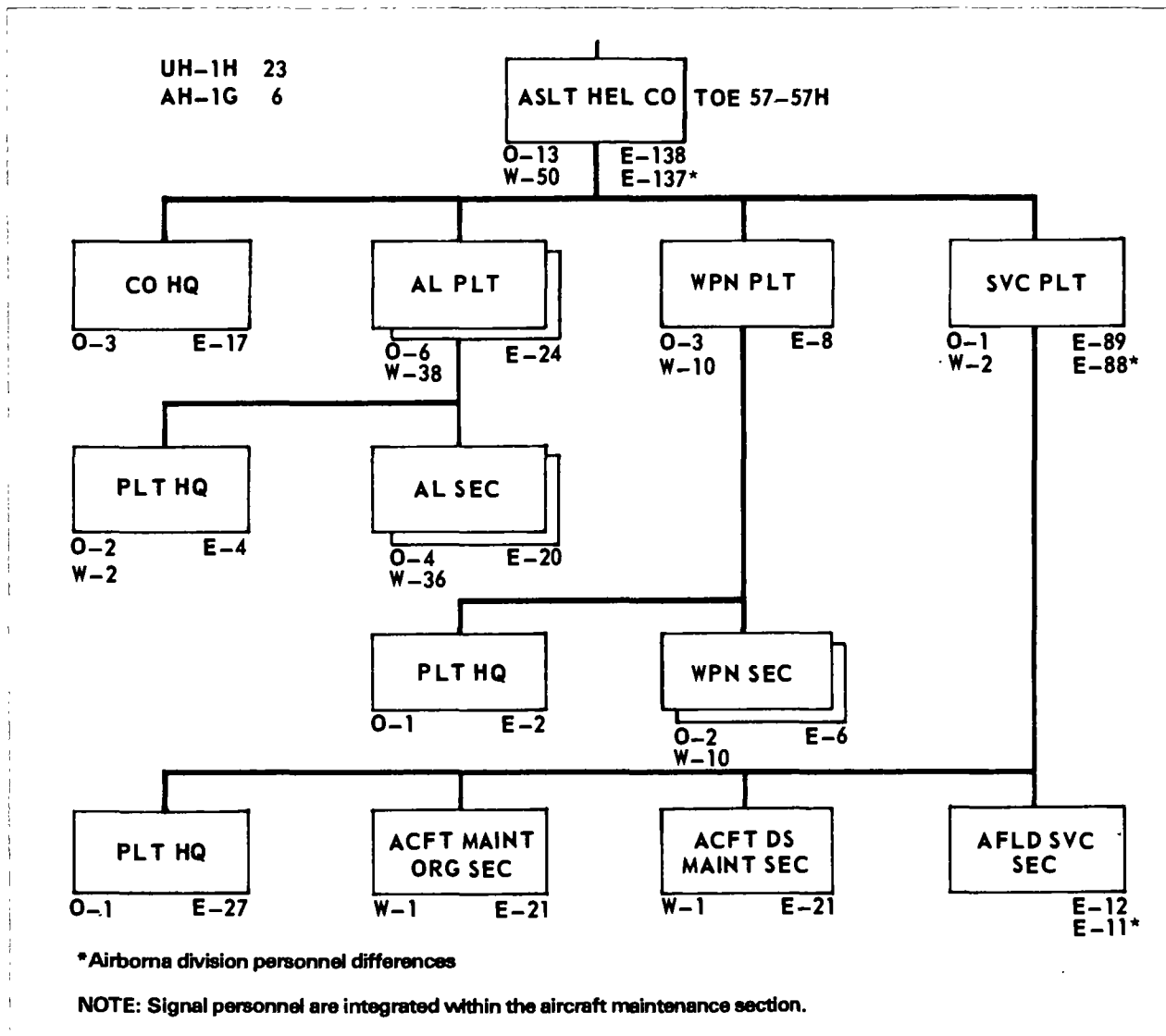


Figure 3-6. Assault Helicopter Company, Combat Aviation Battalion, Infantry Division and Airborne Division.

MISSION

The mission of the assault helicopter company is to provide tactical airmovement of combat troops, supplies, and equipment within the combat zone.

ASSIGNMENT

There is one assault helicopter company organic to the combat aviation battalion of the infantry division.

CAPABILITIES

- Provides day and night operations during visual weather conditions and provides limited operations during instrument weather conditions in support of the division.
- Provides—in a single lift—airlift for the assault elements of one infantry rifle company.

NOTE: This is based on 80 percent availability of organic aircraft.

- Provides aerial movement of troops, supplies, and equipment in support of the division.
- Augments Army air ambulance resources to evacuate wounded personnel when requested by medical authority.
- Provides armed helicopter overwatch for organic assault helicopters during movements, combat assaults, and combat extractions.
- Provides effective aerial suppressive fires.
- Engages in effective, coordinated defense of the unit's area.
- Performs organizational maintenance on organic equipment.
- Within its capability, performs aviation unit maintenance on its organic aircraft, less avionics and armament.

MOBILITY

- This company is approximately 85 percent mobile in its organic vehicles and aircraft.
- This unit is 100 percent air transportable in US Air Force C-5A Galaxy aircraft.

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- This unit is air transportable in US Air Force C-130 and C-141 aircraft; however, the degree of disassembly of its UH-1H and AH-1G helicopters required would seriously delay the unit's becoming combat ready at its destination. The 5-ton wrecker cannot be air transported in the C-130 or C-141 aircraft.

EMPLOYMENT

The assault helicopter company is normally located near the division reserve to facilitate rapid reaction of the reserve forces. When required, the assault helicopter company can airlift assault elements of one dismounted infantry company to rapidly engage an enemy force anywhere in the division area.

Primarily, the assault helicopter company is utilized to accomplish the vital task of resupplying the division maneuver units in the forward areas.

The reinforcement of forward forces is a major role of this company. This is accomplished by the movement of company-sized units or by rapidly thickening existing defenses with antiarmor teams equipped with DRAGON or TOW missiles. Additionally, new capabilities which are rapidly developing concern the emplacement of aerial mines and unattended ground sensors. Raids have always been an important role of air assault forces. Movement of engineers to prepare demolitions of bridges, road craters, and abatis, as well as other barrier tasks, can be accomplished by assault helicopter units.

The airlift platoons of the assault helicopter are provided armed aerial overwatch and suppressive fires by the aeroweapons platoon organic to the company. The aeroweapons platoon's role also includes preparatory fires at the landing zones, if needed, and suppressive fires for the ground maneuver forces of the division.

PERSONNEL

AHC, CBT AVN BN, INF/ABN DIV (TOE 57-57H)

CO HQ

1	MAJ	Co Cdr	15A11
1	CPT	XO	15A11
1	CPT	Avn Op Off	15A11
1	E-8	1SG	67Z5M
1	E-7	Flt Op Ch	71P40(P)
1	E-7	Food Svc SGT	94B40(P)
1	E-6	Sup SGT	76Y30(P)
1	E-6	First Cook	94B30(P)
1	E-5	Cook	94B20(P)
1	E-5	Unit Clk	75B20(P)
1	E-4	Armr	76H10(P)
2	E-4	Cook	94B10(P)
1	E-4	Flt Op SP	71P10(P)
1	E-4	Veh Dvr	71B10(P)
1	E-4	Sr Fld Swbd Op	36K10(P)
1	E-3	Flt Op SP	71P10(P)
***1	E-3	Cook	94B10(P)
1	E-3	Tac Wire Op SP	36K10(P)
1	E-3	Gen Supmn	76Y10(P)

AL PLT HQ

2	CPT	Plt Cdr	15A11
1	WO	RW Flt Safety Tech	100BB
1	WO	RW Inst Exam	100B6
2	E-7	Plt SGT	67N40(P)
2	E-5	UH-1 CRC	67N2F

AL SEC

4	LT	Sec Cdr	15A11
34	WO	RW Pilot	100B0
2	WO	RW IP	100BC
20	E-5	CRC	67N2F

WPN PLT HQ

1	CPT	Plt Cdr	15A11
1	E-7	Plt SGT	67Y40(P)
1	E-4	Ammo Stor Asst	55B10

WPN SEC

2	LT	Sec Cdr	15A11
9	WO	RW Pilot	100E0
1	WO	RW IP	100EC
6	E-5	AH-1 CRC	67Y20(P)

SVC PLT HQ

1	CPT	Plt Cdr	71A00
1	E-7	Plt SGT	67Z40(P)
****1	E-7	Acft Armt Subsys Supv	45M4P
2	E-6	UH-1 Tech Insp	67N3F
1	E-6	Mtr SGT	63B30(P)
1	E-6	AH-1 Tech Insp	67Y3F
1	E-5	Mat Supmn	76D20(P)
4	E-5	Sr Acft Armt Mech	68M20(P)
1	E-5	UH-1 CRC	67N2F
5	E-4	Acft Armt Subsys Mech	68M10(P)
1	E-4	GP Pwr Genr OP/ Mech	52B10(P)
1	E-4	PLL clk	76D10(P)
2	E-4	Mat Supmn	76D10(P)
1	E-4	WVEH Mech	63B10(P)
1	E-3	Pwr Genr Equip Helper	52B10(P)
2	E-3	Mat Supmn	76D10(P)
2	E-3	WVEH Mech	63B10(P)

ACFT ORG MAINT SEC

1	WO	Acft Rep Tech	100BR
1	E-6	Maint Supv	67N30(P)
2	E-5	Sr AH-1 Rpmn	67Y20(P)
5	E-4	Sr UH-1 Rpmn	67N10(P)
1	E-5	Sr Avionics Mech	35K20(P)
2	E-4	AH-1 Rpmn	67Y10(P)
6	E-4	UH-1 Rpmn	67N10(P)
2	E-4	Avionics Mech	35K10(P)
2	E-3	UH-1 Maint Helper	67N10(P)

PERSONNEL**AFLD SVC SEC**

1	E-5	Sec Ch	67N20(P)
3	E-5	Acft Fuel Hdlr	76W20(P)
4	E-4	Acft Fuel Hdlr	76W10(P)
*1	E-4	Wkr Op	63B10
3	E-4	Acft Fuel Hdlr	76W10(P)

ACFT DS MAINT SEC

1	WO	Acft Tech	103AE
1	E-7	Maint Supv	67Z40(P)
1	E-6	Hel Tech Insp	67W3F
1	E-5	Sr Acft Turb Eng Rpmn	68B20(P)
1	E-5	Sr AH-1 Rpmn	67Y20(P)
1	E-5	Sr AFRM Rpmn	68G20(P)
2	E-5	Sr UH-1 Rpmn	67N20(P)
1	E-4	Acft PWTN Rpmn	68D10(P)
1	E-4	Acft Rotor Rpmn	68G10(P)

ACFT DS MAINT SEC (Cont)

1	E-4	Acft Turb Eng Rpmn	68B10(P)
1	E-4	AH-1 Rpmn	67Y10(P)
2	E-4	AFRM Rpmn	68G10(P)
1	E-4	Acft Hyd Rpmn	68H10(P)
1	E-4	Acft Elec	68F10(P)
1	E-4	Mat Supmn	76D10(P)
3	E-4	UH-1 Rpmn	67N10(P)
1	E-4	Wkr Op Rpmn	63B10(P)
1	E-3	UH-1 Maint Helper	67N10(P)

Note: MOSs shown with (P) indicate personnel are airborne qualified under the airborne division. Data in parenthesis pertains to the airborne division.

*Denotes an additional position unique only to the infantry division.

**Denotes an additional position unique only to the airborne division.

***Augmentation.

****This position is downgraded to E-6 when organic to the airborne division.

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**AHC, CBT AVN BN, INF/ABN DIV (TOE 57-57H)**

Hel, UH-1H	23
Hel, AH-1G	6
Armt subsys, hel: 20mm, auto gun	2
Revolver, cal .38: 4-in bbl	89
Lchr, gren: 40mm	6
Rifle, 5.56mm	112
Mg, 7.62mm: acft lt, door-mtd	46

Mg, 7.62mm: lt flex w/mt	4
Goggles, night vision: PVS-5	104
Trk, cgo: 3/4-ton, 4x4	6
Trk, cgo: 2 1/2-ton, 6x6	2
Trk, util: 1/4-ton, 4x4	1
Tlr, cgo: 1/4-ton, 2-whl	1
Tlr, cgo: 3/4-ton, 2-whl	6
Tlr, cgo: 1 1/2-ton, 2-whl	5

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

Tlr, tk: water, 1 1/2-ton, 2-whl	1	Lchr, gren: 40mm	6
Trk, cgo: 5-ton, 6x6	3	Pwr sup: PP-2953/U	3
Trk, wkr: 5-ton, 6x6	1	Pwr sup assist veh: Z-ACD	2
Trk, FLFT: RT 3,000-lb	1	Genr: .5 kW, AC	3
Rdo set: AN/PRC-77	10	Armt subsys, hel: 7.62mm mg & 40mm lchr	6
Rdo set: AN/PRC-90	58	Lchr, rkt acft: 2.75-inch	6
Rdo set: AN/VRC-24	1	Lchr, rkt acft: 2.75-inch, 19-tube (repbl)	8
Rdo set: AN/VRC-47	2	Mg, 7.62mm: 6-bbl	10
Rdo set: AN/GRA-6	1	Genr: 1.5 kW, AC	6
Rdo set: AN/GRA-39	2	Genr: 3 kW, DC	2
Speech, scty: TSEC/KY-28	29	Genr: 7.5 kW, DC	4
Speech, scty: TSEC/KY-38	2	Transponder, cmpt: KIT-1A/TSEC	29
Genr: 5 kW, AC	4	Intg, cmpt: KIR-1A/TSEC	23

**AVIATION GENERAL SUPPORT COMPANY, COMBAT AVIATION
BATTALION, INFANTRY/AIRBORNE DIVISION (TOE 57-58H)**

COMPOSITION

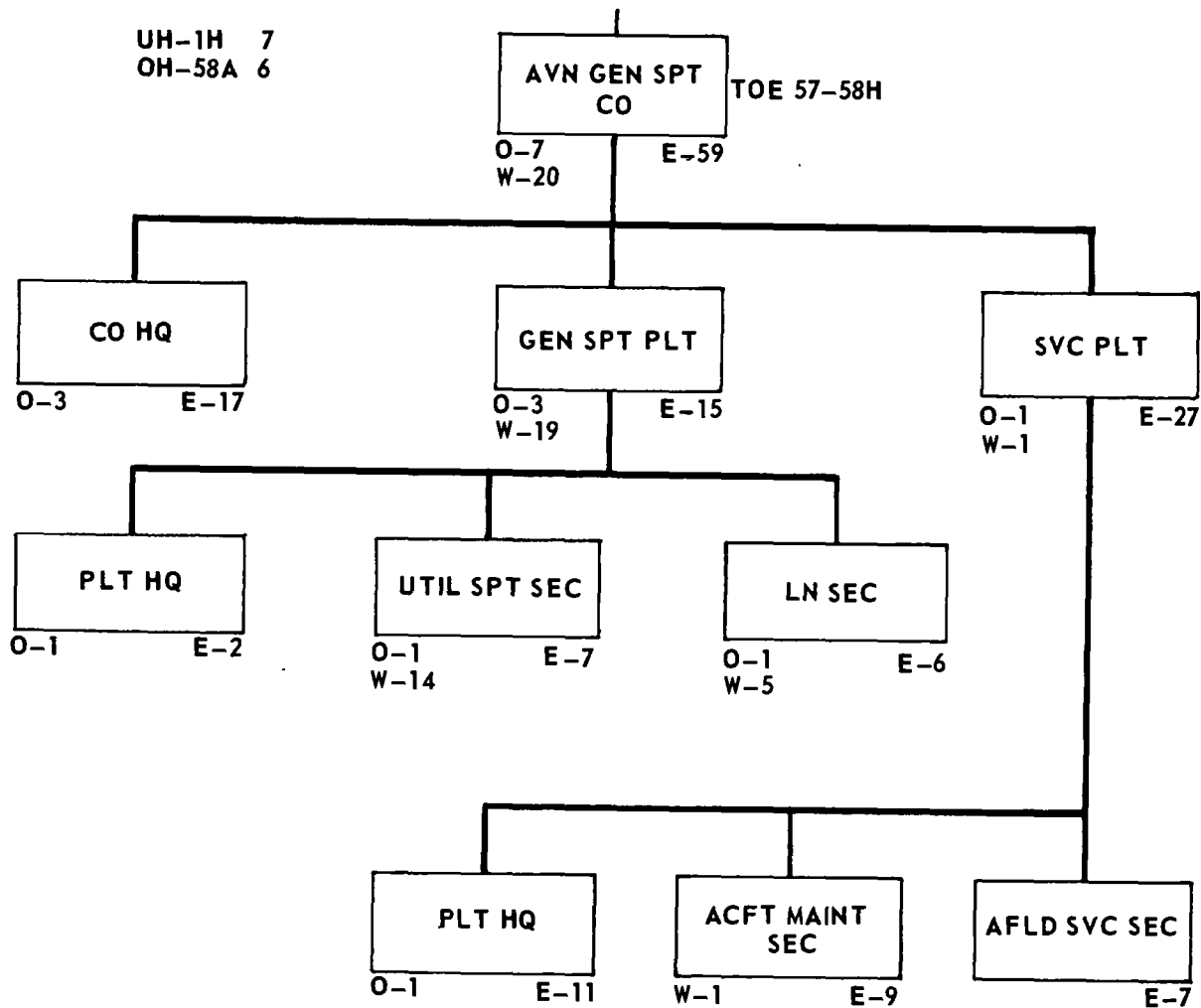


Figure 3-7. Aviation General Support Company, Combat Aviation Battalion, Infantry Division and Airborne Division.

MISSION

The mission of the aviation general support company is to provide aviation support for the division headquarters, division support command, and other units without organic aircraft. Additionally, this company provides limited aviation general support and reinforcement to divisional units that have organic aircraft.

ASSIGNMENT

There is one aviation general support company organic to the combat aviation battalion of the infantry division.

CAPABILITIES

- Provides day and night operations during visual weather conditions and limited operations under instrument weather conditions.
- Provides aerial observation, reconnaissance, and surveillance (day and night) of enemy areas for the purpose of locating, verifying, and evaluating targets, terrain study, and indirect fire adjustment.
- Conducts radiological surveys.
- Provides aircraft for command, control, and liaison.
- Augments Army air ambulance resources.
- Provides air messenger service and aerial relay as required by the division headquarters.
- Provides dining facilities for the battalion headquarters and headquarters company.
- Performs aviation unit maintenance on organic aircraft.
- Engages in effective, coordinated defense of its area.

MOBILITY

- This company is 100 percent mobile in its organic vehicles and aircraft.
- This unit is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The aviation general support company is normally collocated with the combat aviation battalion headquarters. This is necessary to facilitate sharing of the unit dining facilities and the aviation general support company assists in the operation of the division instrumented airfields.

The aviation general support company also operates and maintains a heliport adjacent to the division main command post to support the division commander and his staff. The heliport has a 24-hour capability, but normally is not instrumented.

Helicopters of this company are normally employed on a mission basis. These missions are controlled by the division G3 through the combat aviation battalion S3.

PERSONNEL

AVN GEN SPT CO, CBT AVN BN,
INF/ABN DIV (TOE 57-58H)

CO HQ

1	MAJ	Co Cdr	15A11
1	CPT	XO	15A11
1	CPT	Flt Op Off	15A11
1	E-8	1SG	67Z5M
1	E-7	Flt Op Ch	71P40(P)
1	E-7	Food Svc SGT	94B40(P)
1	E-6	Sup SGT	76Y30(P)
1	E-6	Comm Ch	31G30(P)
1	E-6	First Cook	94B30(P)
1	E-5	Cook	94B20(P)
1	E-4	Sr Flt Op SP	71P10(P)
1	E-5	Unit Clk	75B20(P)
1	E-4	Armr	76H10(P)
2	E-4	Cook	94B10(P)
1	E-3	Flt Op SP	71P10(P)
1	E-4	Sr Fld Swbd Op	36K10(P)
1	E-3	Cook	94B10(P)
1	E-4	Veh Dvr	71B10(P)
1	E-3	Tac Wire Op SP	36K10(P)

GEN SPT PLT HQ

1	CPT	Plt Cdr	15A11
1	E-7	Plt SGT	67N40(P)
1	E-4	Veh Dvr	71B10(P)

UTIL SPT SEC

1	LT	Sec Ldr	15A11
11	WO	RW Pilot	100B0
1	WO	RW Inst Exam	100B6
1	WO	RW Flt Safety Tech	100BB

SPT SEC (Cont)

1	WO	RW IP	100BC
7	E-5	UH-1 CRC	67N2F

LN SEC

1	LT	Sec Ldr	15A11
4	WO	RW Pilot	100B0
1	WO	RW IP	100BC
6	E-5	OH-58 CRC	67V2T(P)

SVC PLT HQ

1	CPT	Plt Cdr	71A00
1	E-7	Plt SGT	67Z50(P)
2	E-6	Hel Tech Insp	67W30(P)
1	E-5	Mtr SGT	63C20(P)
1	E-4	Fld C-E Equip Mech	31B10(P)
1	E-4	GP Pwr Genr Op/Mech	52B10(P)
1	E-4	PLL Clk	76D10(P)
1	E-4	Mat Supmn	76D10(P)
1	E-4	WVEH Mech	63B10(P)
1	E-3	Pwr Genr Equip Helper	52B10(P)
1	E-3	Mat Supmn	76D10(P)

ACFT MAINT SEC

1	WO	Acft Rep Tech	671C0
1	E-6	Maint Supv	67N30(P)
1	E-5	Sr Avionics Mech	35K20(P)
2	E-5	Sr UH-1 Rpmn	67N20(P)

PERSONNEL**ACFT MAINT SEC (cont)**

1	E-4	Acft Armt Mech	68M10(P)
2	E-4	Avionics Mech	35K10(P)
2	E-4	UH-1 Rpmn	67N10(P)

AFLD SVC SEC

1	E-5	Sec Ch	67N20(P)
2	E-5	Acft Fuel Hdlr	76W20(P)
2	E-4	Acft Fuel Hdlg SP	76W10(P)
2	E-3	Acft Fuel Hdlr	76W10(P)

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE
**AVN GEN SPT CO, CBT AVN BN,
INF/ABN DIV (TOE 57-58H)**

Comd console; ASC-15	4
Hel, UH-1H	7
Mg, 7.62mm: door-mtd	14
Hel, OH-58A	6
Mg, 7.62mm: lt flex	4
Revolver: cal .38	35(34)
Lchr, gren: 40mm	6
Rifle: 5.56mm	48
Rdo set: AN/VRC-24	1
Rdo set: AN/PRC-77	6
Goggles, night vision: AN/PVS-5	21
Rdo set: AN/PRC-90	26
Rdo set: AN/GRC-160	1
Rdo set: AN/VRC-47	2
Rdo set: AN/VRC-24	1

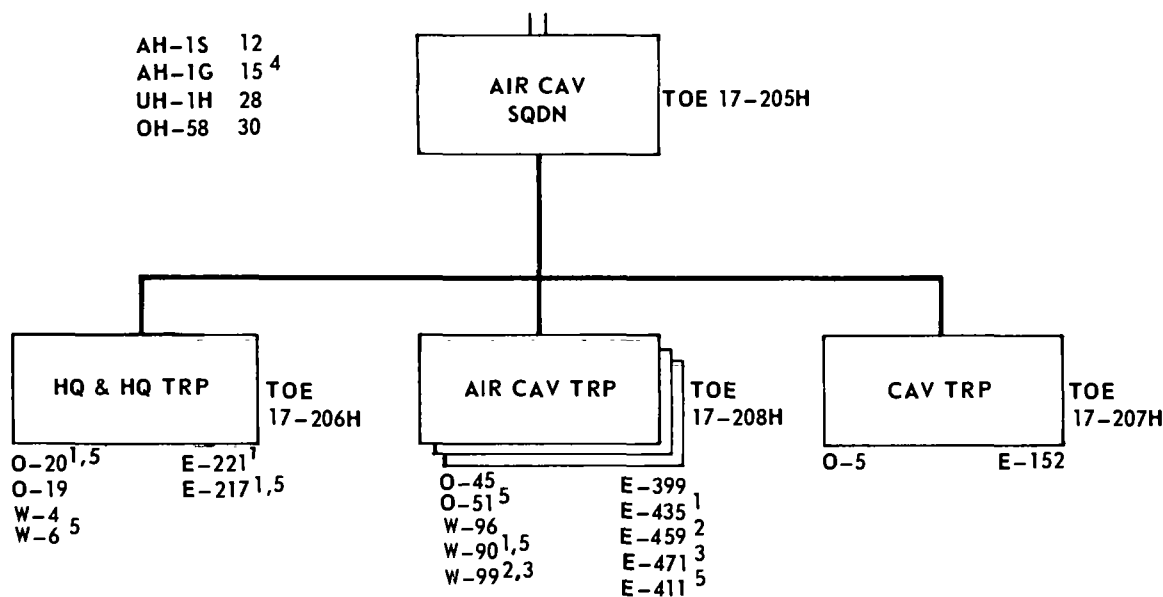
Rdo set: AN/GRA-39	3
Equip, speech scy: TSEC/KY-38	2
Trk, util: 1/4-ton, 4x4	3
Equip, speech scy: TSEC/KY-28	25
Trk, cgo: 3/4-ton, 4x4	8
Genr: .5 kW, AC	1
Trk, cgo: 2 1/2-ton, 6x6	1
Tlr cgo: 1/4-ton	3
Genr: 1.5 kW, AC	5(6)
Tlr, cgo: 3/4-ton	8
Genr: 3 kW, DC	2
Tlr, cgo: 1 1/2-ton	3
Tlr, tk: water, 1 1/2-ton	1
Genr: 5 kW, AC	2
Genr: 7.5 kW, DC	2
Intg, cmpt: KIR-1A/TSEC	1

NOTE: Data in parenthesis reflects equipment differences when under airborne division.

AIR CAVALRY SQUADRON, INFANTRY DIVISION (TOE 17-205H)

The air cavalry squadron is the only combat element organic to the division base.

COMPOSITION



¹Differences in personnel when the air cav sqdn (TOE 17-205H) is under the air cav cbt bde.

²Differences when the air cav trp is under the embl (air eslt) div. When the air cav trp operates under the embl (air eslt) div, its TOE is 17-098H.

³Differences when the air cav trp is under the armd/inf (mech) div. When the air cav trp operates under the armd/inf (mech) div, its TOE is 17-108H.

⁴Convert this model aircraft to an AH-1S when the air cav trp is organic to the embl (air eslt) div (TOE 17-095H) and inf div (TOE 17-275H).

⁵Differences in personnel when the air cav sqdn (TOE 17-275H) is under the inf div.

Figure 3-8. Air Cavalry Squadron, Air Cavalry Combat Brigade (ACCB) and Infantry Division.

MISSION

The mission of the air cavalry squadron is to perform reconnaissance, security, and surveillance to provide real-time intelligence concerning the enemy, terrain, and weather throughout the battle area and to alert or provide protection against enemy observation or attack.

ASSIGNMENT

One air cavalry squadron organized as shown in figure 3-8 is organic to the infantry division.

CAPABILITIES, MOBILITY, AND EMPLOYMENT

Refer to appendix B for a complete discussion of this unit.

HEADQUARTERS AND HEADQUARTERS TROOP (HHT),
AIR CAVALRY SQUADRON, INFANTRY DIVISION
(TOE 17-206H)

COMPOSITION

The headquarters and headquarters troop of the air cavalry squadron is organized as shown in figure B-1, appendix B, with one exception. This unit does not have an organic fire support section.

MISSION

The mission of the headquarters and headquarters troop is to provide command, control, and supervision of the air cavalry squadron of the infantry division.

ASSIGNMENT

One HHT is organic to the air cavalry squadron, infantry division.

CAPABILITIES

- Provides command, control, staff planning, and supervision of operations of the squadron.
- Supervises supply, transportation, maintenance, and administration for the squadron.
- Provides unit-level medical support to the squadron to include aviation medicine and medical aidmen at troop level.
- Provides centralized (squadron) or decentralized (troop) dining facilities as required by the tactical situation.
- Engages in effective, coordinated defense of its area.

MOBILITY

- This unit requires additional transportation assets to accomplish a tactical move in one lift. These assets can be furnished from within the squadron or from the supply and transportation battalion of the division support command (DISCOM).
- This unit is 100 percent air transportable by US Air Force aircraft.

EMPLOYMENT

The headquarters and headquarters troop is employed as directed by the squadron commander. This troop provides messing facilities to the entire squadron, either by operating a consolidated mess or by deploying a separate team to each troop, depending on the tactical situation and the location of these units. The four UH-1H helicopters assigned to the headquarters troop are used in the command, control, and liaison role.

**AIR CAVALRY TROOP, AIR CAVALRY SQUADRON,
INFANTRY DIVISION (TOE 17-208H)****COMPOSITION**

The composition of the air cavalry troop is as shown in figure B-2, appendix B.

ASSIGNMENT

There are three air cavalry troops organic to the air cavalry squadron of the infantry division.

DISCUSSION

The mission, capabilities, limitations, mobility, and employment considerations for the air cavalry troop are discussed in appendix B of this book.

FM 1-15

TRANSPORTATION AIRCRAFT MAINTENANCE COMPANY (AVIM)*,
MAINTENANCE BATTALION, INFANTRY DIVISION
(TOE 55-89H)

COMPOSITION

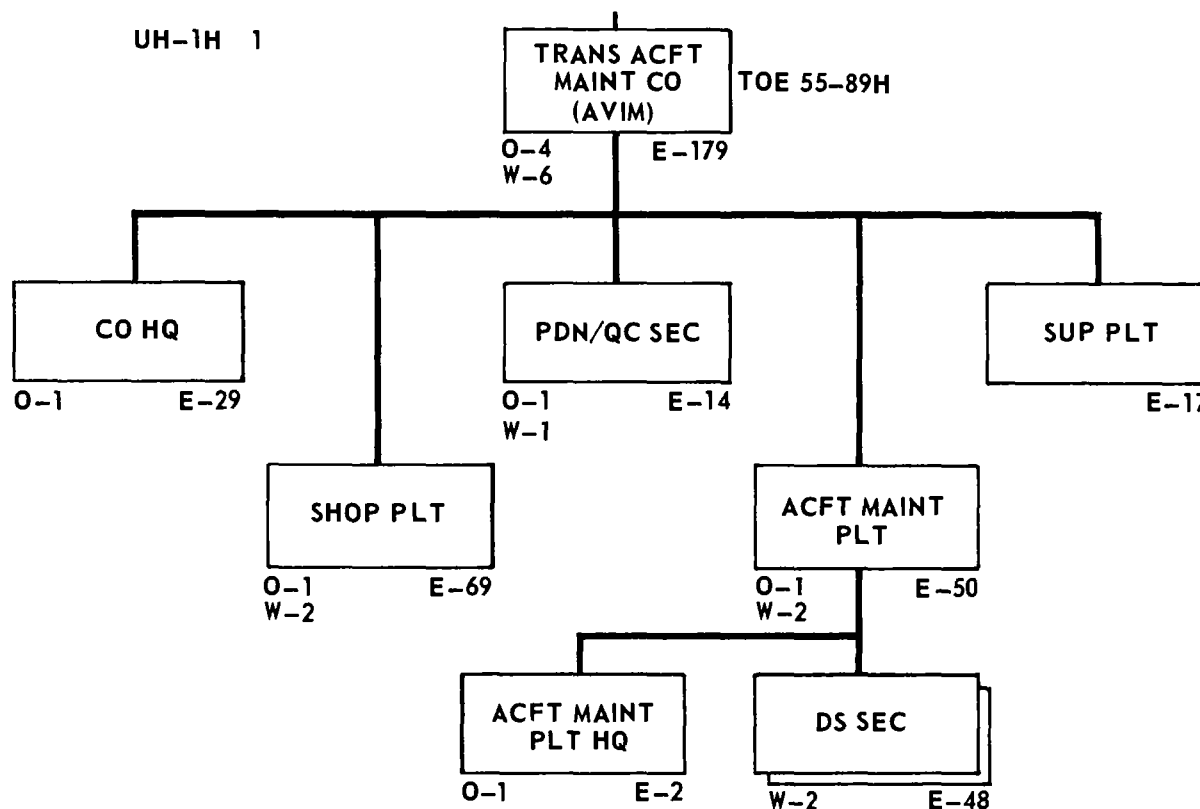


Figure 3-9. Transportation Aircraft Maintenance Company (AVIM), Maintenance Battalion, Infantry Division.

MISSION

The mission of the transportation aircraft maintenance company is to provide aviation intermediate maintenance (AVIM) and aircraft peculiar repair parts supply to using units of the infantry division.

**Refer to chapter 11 for a discussion of maintenance concepts.*

ASSIGNMENT

One transportation aircraft maintenance company is organic to the maintenance battalion of the infantry division (fig 3-9).

CAPABILITIES

- Provides the following annual manhours of productive maintenance (approximate):

TYPE	MANHOURS	TYPE	MANHOURS
Turb Eng Rep	21,600	AH-1 Hel Rep	21,600
Rotor-Prop Rep	16,200	UH-1 Hel Rep	48,600
PWTN Rep	5,400	OH-58 Hel Rep	59,400
AFRM Rep	43,200	Acft FC Rep	16,200
Acft Armt Rep	16,200	Hyd Rep	2,700
Avionics Rep	67,500	Inst Rep	2,700

- Provides repair parts supply (less supply management) for division aircraft, avionics equipment, and aircraft armament systems.
- Operates direct exchange service and maintains an operational readiness float for selected aviation items.
- Provides contact teams for onsite repair of downed aircraft or preparing the downed aircraft for air evacuation by medium or heavy lift helicopter.
- Performs aviation unit maintenance as well as intermediate maintenance for units without organic equipment (i.e., brigade aviation sections).
- Engages in effective, coordinated defense of its area.

MOBILITY

- This unit is 100 percent mobile in its organic vehicles.
- This unit is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The transportation aircraft maintenance (AVIM) company is normally located in the division rear area where its personnel can work in a relatively secure area. The unit furnishes 100 percent aviation intermediate maintenance for the division and backup aviation unit maintenance for those units with less than 10 aircraft. This maintenance is normally performed at the AVIM company's maintenance facility; however, mobile teams from the AVIM company can be detailed to a supported unit for a specified period of time to perform required AVIM maintenance. The main purpose of these teams is to assist the supported unit during periods of unexpected maintenance requirements due to combat damage.

PERSONNEL

TRANS ACFT MAINT CO (AVIM), INF DIV (TOE 55-89H)

CO HQ

1	CPT	Co Cdr	71A00
1	E-8	1SG	67Z5M
1	E-7	Food Svc SGT	94B40
1	E-7	Mtr SGT	63C40
1	E-6	Sûp SGT	76Y30
1	E-5	Unit Clk	75B20
1	E-5	Cook	94B20
2	E-5	WVEH Mech	63B20
1	E-4	Armr	76H10
2	E-4	Cook	94B10
2	E-4	GP Pwr Genr Op/ Mech	52B10
1	E-4	PLL Clk	76D10
3	E-4	WVEH Mech	63B10
1	E-4	Veh Dvr	64C10
1	E-4	Eng Equip Mech	62B10
1	E-4	Acft Fuel Hdlr	76W10
1	E-4	Mpps Pwr Genr Op/ Mech	52B10
1	E-4	Sr Fld Swbd Op	36K10
1	E-4	Wkr Op	63B10
1	E-4	Pwr Genr Equip Helper	52B10
1	E-4	Eng Equip Mech	62B10
2	E-3	WVEH Mech Helper	63B10
1	E-3	Cook	94B10
1	E-3	Gen Supmn	76Y10

PDN/QC SEC

1	LT	Pdn Con Off	71A00
1	WO	QC Tech	103AR
1	E-7	Ch Hel Tech Insp	67W4F
1	E-7	Pdn Con SGT	67Z40
5	E-6	Hel Tech Insp	67W3F
1	E-6	Acft Armt Insp	68J30
1	E-6	Acft FC Rep Insp	68J30
1	E-6	AFRM Insp	68G30

PDN/QC SEC (cont)

1	E-5	UH-1 CRC	67N2F
1	E-4	UH-1 Rpmn	67N10
1	E-4	Equip Maint Clk	76D10
1	E-4	Rept Clk	71B10

ACFT MAINT PLT HQ

1	LT	Plt Ldr	71A00
1	E-7	Plt SGT	67Z40
1	E-4	Rept Clk	71B10

AVIM SEC

2	WO	Acft Rep Tech	100BR
2	E-6	Sec SGT	67Z30
8	E-5	Sr. OH-58 Rpmn	67V20
6	E-5	Sr UH-1 Rpmn	67N20
4	E-5	Sr AH-1 Rpmn	67Y20
10	E-4	OH-58 Rpmn	67V10
8	E-4	UH-1 Rpmn	67N10
4	E-4	AH-1 Rpmn	67Y10
4	E-3	OH-58 Maint Helper	67V10
2	E-3	UH-1 Maint Helper	67N10

SHOP PLT

1	LT	Plt Ldr	71A00
2	WO	Acft Tech	103AR
1	E-7	Plt SGT	67Z40
4	E-4	Acft Armt Rpmn	68J10
1	E-6	AFRM Rep Supv	68G30
1	E-6	Acft FC Rep Fman	68J30
1	E-6	Acft Turb Eng Rep Supv	68B30
1	E-5	Acft Inst Rpmn	68F20
1	E-5	AFRM Welder	68G20
1	E-5	Mach	44E20
1	E-5	Sr Acft Hyd Rpmn	68H20
1	E-5	Avionics Rdr Rpmn	35R20
2	E-5	Avionics Comm Equip Rpmn	35L20
1	E-5	Avionics Nav Equip Rpmn	35M20
3	E-5	Sr Acft Armt Rpmn	68J20

PERSONNEL**SHOP PLT (cont)**

1	E-5	Avionics Flt Con Rpmn	35N20
2	E-5	Sr Acft FC Rpmn	68J20
3	E-5	Sr Acft Sgl Turb Eng Rpmn	68B20
6	E-4	AFRM Rpmn	68G10
1	E-4	Equip Maint Clk	76D10
1	E-4	Acft Elec	68F10
3	E-4	Acft FC Rpmn	35J10
1	E-4	Acft PWTN Rpmn	68D10
1	E-4	Mat Supmn	76D10
1	E-4	Acft Hyd Rpmn	68H10
3	E-4	Acft Rotor Rpmn	68G10
1	E-5	Sr Acft Rotor Rpmn	68E20
1	E-3	Acft Sgl Turb Eng Rep Helper	68B10
3	E-3	AFRM Rep Helper	68G10
6	E-5	AFRM Rpmn	68G20

SHOP PLT (cont)

1	E-3	Toolroom Keeper	67N10
4	E-4	Acft Eng Rpmn	68B10
1	E-5	Sr Acft PWTN Rpmn	68D20
1	E-3	Acft Rotor Rep Helper	68G10

SUP PLT

1	WO	Sup Tech	761A0
1	E-7	Plt SGT	76Z40
1	E-6	Mat Sup Supv	76D30
3	E-5	Mat Supmn	76D20
1	E-4	Stk Con/Acct Clk	76P10
5	E-4	Mat Supmn	76D10
1	E-4	Pkg-Crtg SP	76V10
1	E-3	Sup Con/Acct Clk	76P10
4	E-3	Mat Supmn	76D10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**TRANS ACFT MAINT CO (AVIM), INF DIV (TOE 55-89H)**

Crane, whl-mtd: 3-ton	2
Hel, UH-1H	1
***Genr: 60 kW	2
Revolver: cal .38	13
Genr: 5 kW, AC	1
Rifle: 5.56mm	177
Genr: 15 kW, AC	1
Rdo set: AN/PRC-90	2

Genr: 1.5 kW, AC	4
Rdo set: AN/VRC-46	2
Genr: 3 kW, DC	2
Rdo set: AN/GRA-39	1
***Genr: 7.5 kW, DC	2
Trk, util: 1/4-ton, 4x4	2
Lchr, gren: 40mm	6
Tlr, cgo: 1/4-ton	2
Mg, 7.62mm: acft lt, door-mtd	2

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

*Trk, cgo: 3/4-ton, 4x4	1	*Stlr, stake: 12-ton	2
Mg, 7.62mm: lt flex w/mts	4	Trk, trac, wkr: 5-ton, 6x6	1
**Tlr, cgo: 3/4-ton	2(3)	*Stlr, van, cgo, 12-ton	9
Pwr sup: PP-1104, 2953, 3939, 3940	5	Trk, plat, util: 1/2-ton, 4x4	6
Trk, cgo: 2 1/2-ton	5	*Stlr, van: Expan, 6-ton	1
Equip, speech scty (abn): TSEC/KY-28	1	Intg, cmpt: KIR-1A/TSEC	1
**Tlr, cgo: 1 1/2-ton	7(5)	Trk, FLFT: RT, 6,000-lb	1
Tlr, acft maint, ambl: 4-whl	6	Transponder, cmpt: KIT-1A/ TSEC	1
*Trk, trac: 5-ton, 6x6	12	Genr: 10 kW, AC	2
Tlr, tk: water, 400-gal, 1 1/2-ton	1	Genr: .5 kW, AC	1
*Trk, van: 2 1/2-ton, 6x6	5	Pwr sup: hyd-elec, ptbl	1
Trk, tk: water, 1,000 gal, 2 1/2-ton	1	*This LIN is deleted when applied to the airborne division (TOE 55-099H).	
*Stlr, LB: 12-ton, 40-ft	1	**Parenthesis data reflects changes when applied to airborne division (TOE 55- 099H).	
Trk, cgo: 5-ton, 6x6	1	***This LIN has substitute/addition entries when applied to airborne division (TOE 55-099H).	

Section II. AIRBORNE DIVISION

COMPOSITION

Those units highlighted have organic aircraft.

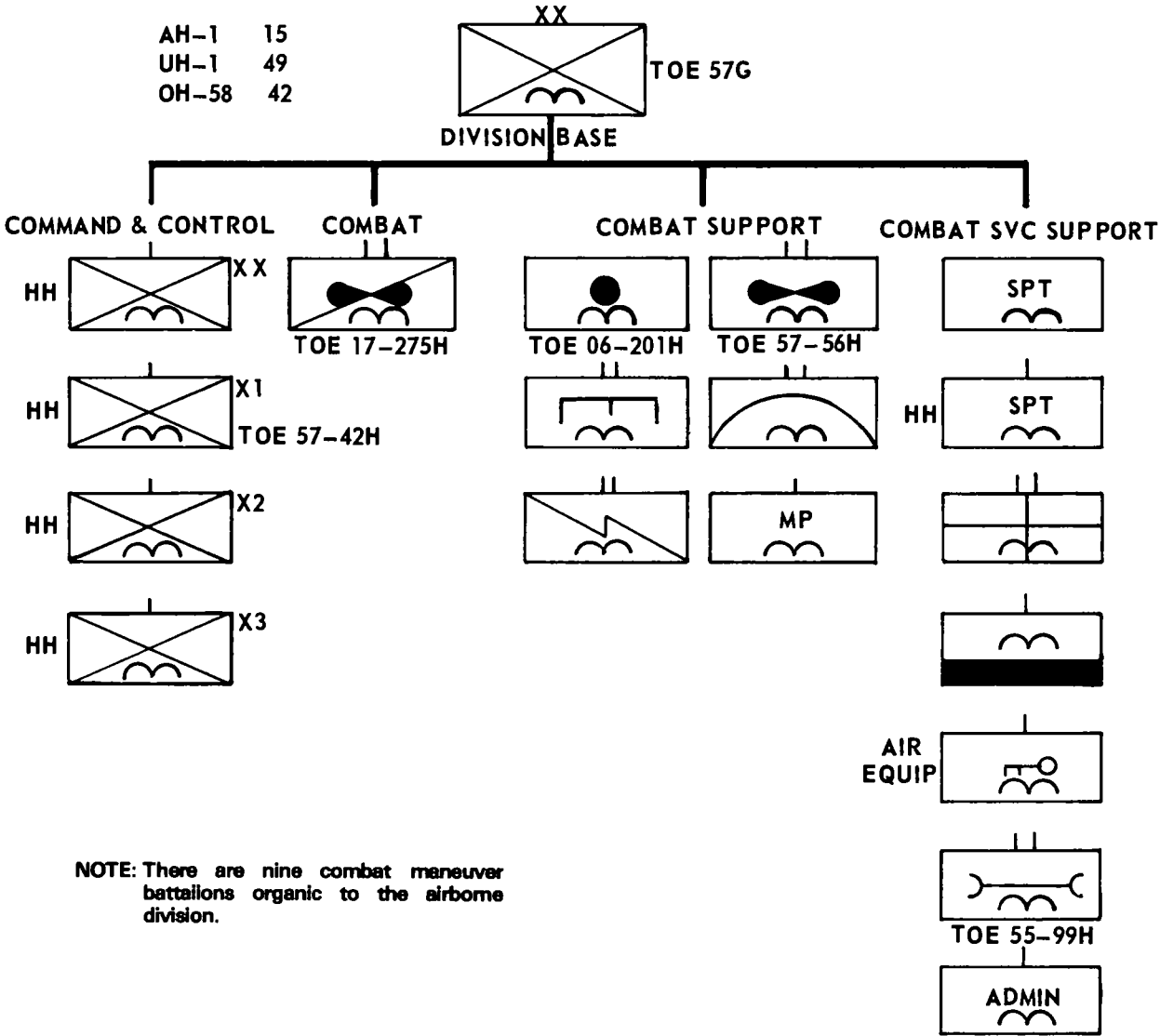


Figure 3-10. Airborne Division Base.

MISSION

The mission of the airborne division is to conduct airborne assaults to seize and hold assigned objectives or to close with the enemy and capture or destroy him in unsophisticated or semi-sophisticated environments until ground linkup can be accomplished or until reinforced by airlanded or surfacelanded forces.

EMPLOYMENT

The airborne division is specifically trained and equipped for airborne assault and airlanded operations. Air transport means must be provided in these roles. While the airborne division has a greater degree of strategic mobility than the infantry division, its tactical mobility is relatively restricted due to the lack of ground vehicles.

The organic aviation assets of the airborne division provide some of the tactical mobility needed on the modern battlefield. Appropriately reinforced with Army aviation units from corps, the airborne division can conduct highly mobile operations.

Aviation assets of the airborne division are basically the same as those of the infantry division. This section will be concerned with those differences that significantly affect the capabilities and employment of these units.

BRIGADE AVIATION SECTION, AIRBORNE DIVISION BRIGADE

The brigade aviation section of the airborne division is capable of performing the same missions as the brigade aviation section of the infantry division. The only major difference between the two sections is the parachute-qualified personnel of the airborne division. (Refer to page 16 for a discussion of this unit.)

AVIATION SECTION, AIRBORNE DIVISION ARTILLERY (TOE 6-201H)

The aviation section of the airborne division artillery is capable of performing the same mission as the aviation section of the infantry division. This unit has one major difference from its infantry division counterpart: (Fig 3-3)

- All enlisted personnel of the aviation section, airborne division artillery, are parachute-qualified.

COMBAT AVIATION BATTALION, AIRBORNE DIVISION (TOE 57-56H)

There are two differences between the combat aviation battalion of the airborne division and that of the infantry division. These differences are:

- When assigned to the airborne division, all personnel are parachute-qualified.
- When organic to the airborne division, the headquarters and headquarters company has an organic pathfinder platoon which provides pathfinder support to the airborne division brigades and assault helicopter company as required (fig 3-5). Personnel of this section consist of:

*PFDR PLT HQ

1 LT Plt Ldr
1 E-7 Plt SGT
1 E-3 Rdo Op

11B00
11B4Y
11B1Y

*PFDR TM

4 E-6 Tm Ldr
4 E-5 Asst Tm Ldr
8 E-4 Sr Pfdr
8 E-3 Pfdr

11B3Y
11B3Y
11B1Y
11B1Y

***NOTE:** Augmented to the HHC, Cbt Avn Bn, Inf Div (TOE 57-56H). (See fig 3-5.)

AIR CAVALRY SQUADRON, AIRBORNE DIVISION (TOE 17-276H)

The aviation units of the air cavalry squadron organic to the airborne division are organized identically to the infantry division's air cavalry squadron.

For a discussion of the air cavalry units, refer to appendix B.

**TRANSPORTATION AIRCRAFT MAINTENANCE COMPANY
(AVIM), MAINTENANCE BATTALION, AIRBORNE DIVISION
(TOE 55-99H)**

The AVIM company (fig 3-11) of the airborne division is basically the same as the infantry division, except that it is capable of landing by parachute.

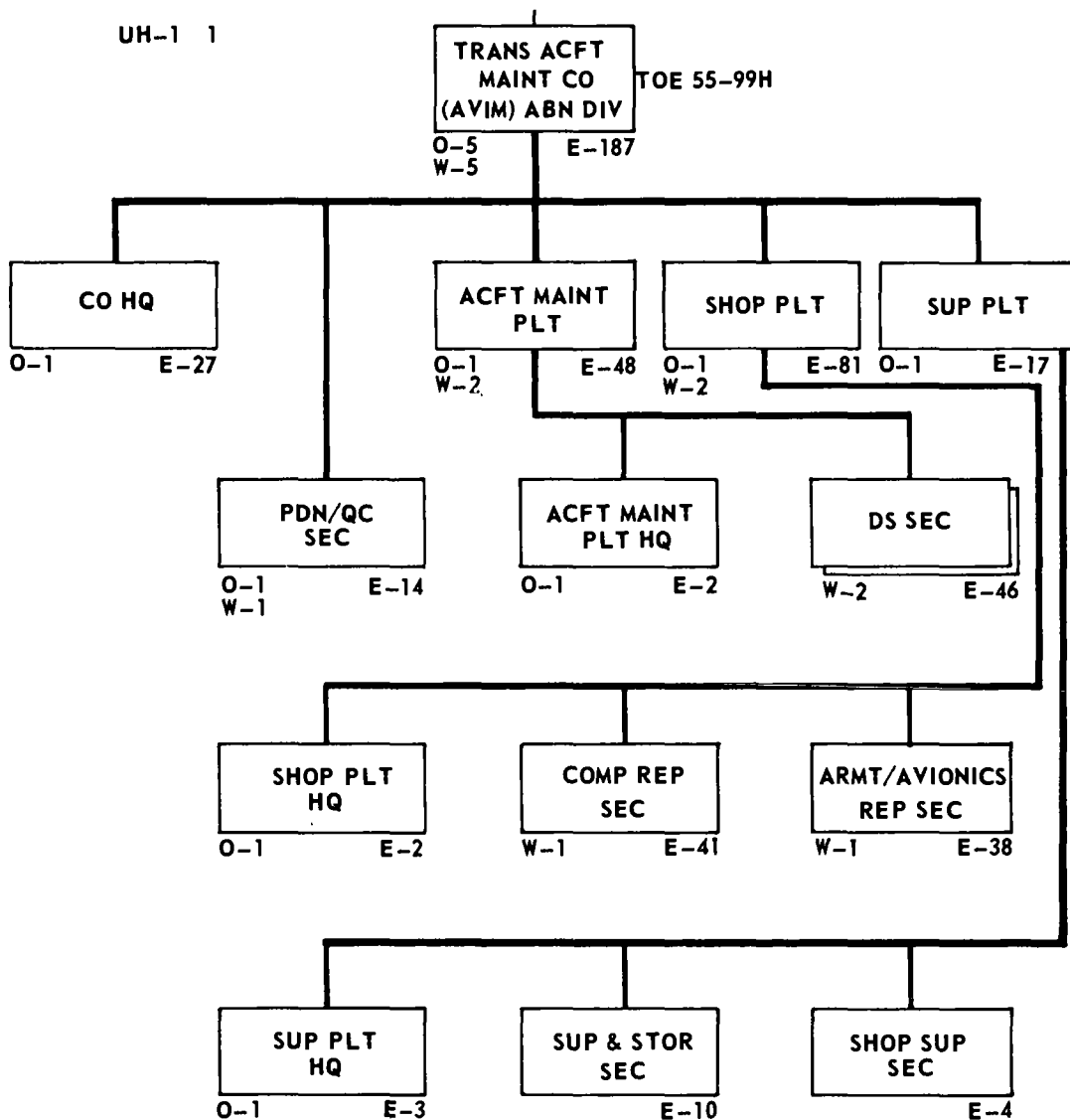


Figure 3-11. Transportation Aircraft Maintenance Company (AVIM), Maintenance Battalion, Airborne Division.

CHAPTER 4

AVIATION OF THE INFANTRY DIVISION (MECHANIZED) AND ARMORED DIVISION

Aviation organic to the infantry division (mechanized) (fig 4-1) and armored division (fig 4-2) differs from the previously discussed divisional aviation in that it has no aviation battalion. This is not surprising, considering the mobility of these divisions and the number and type of ground vehicles assigned to them. The maneuver forces of these divisions cannot readily leave their armored vehicles and

conduct a large scale airlanded assault.

This chapter will discuss those aviation assets organic to the infantry division (mechanized) and the armored division. Since the aviation assets of both divisions are so closely related, we will discuss the armored division aviation and present only those differences which might apply to the infantry division (mechanized).

DIVISION AVIATION SECTION, HEADQUARTERS AND HEADQUARTERS COMPANY, INFANTRY DIVISION (MECHANIZED) OR ARMORED DIVISION (TOE 37-004H)

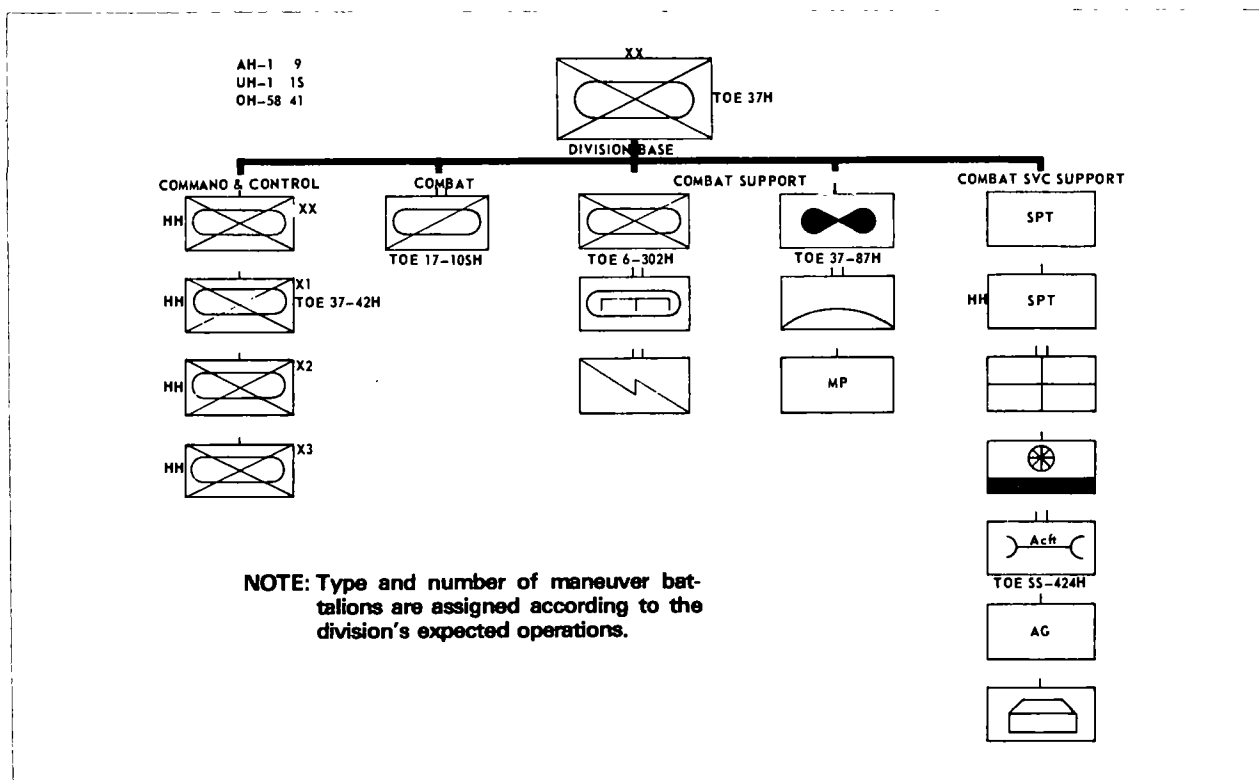


Figure 4-1. Infantry Division (Mechanized) Base.

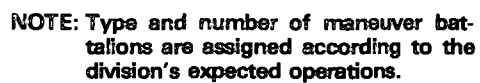


Figure 4-2. Armored Division Base.

MISSION

The mission of the division aviation section is to provide aviation special staff personnel for the division headquarters.

ASSIGNMENT

There is one division aviation section organic to the headquarters and headquarters company of the armored and infantry division (mechanized).

MOBILITY

This section must depend upon transportation from other sections of the headquarters company to accomplish a tactical move in one lift.

FUNCTION

The division aviation section is collocated with the division headquarters. Its personnel may be split for operations at both rear and forward command post (CP) locations as the tactical situation dictates.

It functions as a special staff section, advising the division commander and his staff on all matters relative to the employment of all organic and attached Army aviation units. It establishes and maintains the division aviation safety program.

This section is exactly the same in both divisions.

PERSONNEL			
DIV AVN SEC, HHC, INF DIV (MECH) OR ARMD DIV (TOE 37-004H)			
1	LTC	Avn Stf Off	15A11
1	MAJ	Asst Avn Stf Off	15A11
1	MAJ	Avn Safety Off	15A11
1	E-8	Op SGT	71P50
1	E-4	Clk-Typist	71B10

EQUIPMENT	
DIV AVN SEC, HHC, INF DIV (MECH) OR ARMD DIV (TOE 37-004H)	
Rifle: 5.56mm	2
Revolver: cal. 38	3
Trk: 1/4-ton, 4x4	1

FM 1-15

BRIGADE AVIATION SECTION, ARMORED DIVISION (TOE 17-42G) AND INFANTRY DIVISION (MECHANIZED) (TOE 37-42H)

The aviation section of the headquarters and headquarters company, armored division, and infantry division (mechanized) brigades is identical to the like section of infantry brigade. The mission, capabilities, composition, and employment considerations are discussed in chapter 3, page 17.

AVIATION SECTION, HEADQUARTERS AND HEADQUARTERS BATTERY, ARMORED DIVISION, AND INFANTRY DIVISION (MECHANIZED) (TOE 6-302H)

The division artillery (DIVARTY) aviation section of the armored division and infantry division (mech) is the same as the DIVARTY aviation section of the infantry division. The mission, capabilities, composition, and employment considerations are discussed in chapter 3, page 21.

ARMORED CAVALRY SQUADRON, ARMORED DIVISION, AND INFANTRY DIVISION (MECHANIZED) (TOE 17-105H)

COMPOSITION

The composition of the armored cavalry squadron is the major difference between the armored division or infantry division (mech) and the infantry division. Aviation in the armored cavalry squadron is greatly reduced from that of the infantry division's air cavalry squadron.

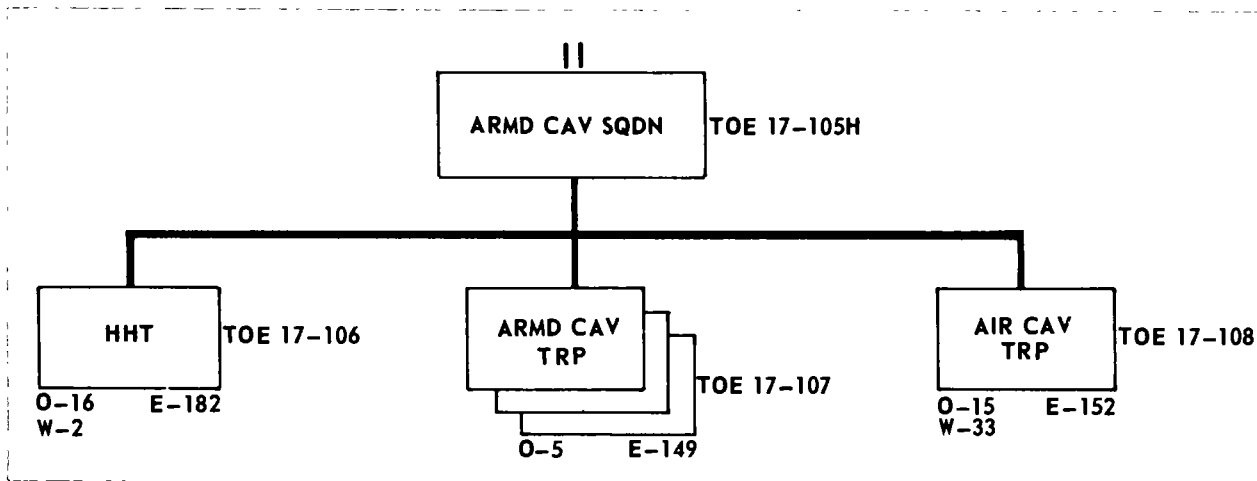


Figure 4-3. Armored Cavalry Squadron, Armored Division and Infantry Division (Mechanized).

AIR CAVALRY TROOP, ARMORED CAVALRY SQUADRON ARMORED/INFANTRY DIVISION (TOE 17-108H)

The air cavalry troop has the same structure as that shown in figure B-2. The mission, capabilities, mobility, and employment considerations are discussed in appendix B.

DIVISION AVIATION COMPANY, ARMORED DIVISION (TOE 17-87H), AND INFANTRY DIVISION (MECHANIZED) (TOE 37-87H)

COMPOSITION

The composition of the division aviation company for the armored division and the infantry division (mech) is the same. Although the diagram in figure 4-4 depicts the aviation company armored division, it applies equally to the infantry division (mech).

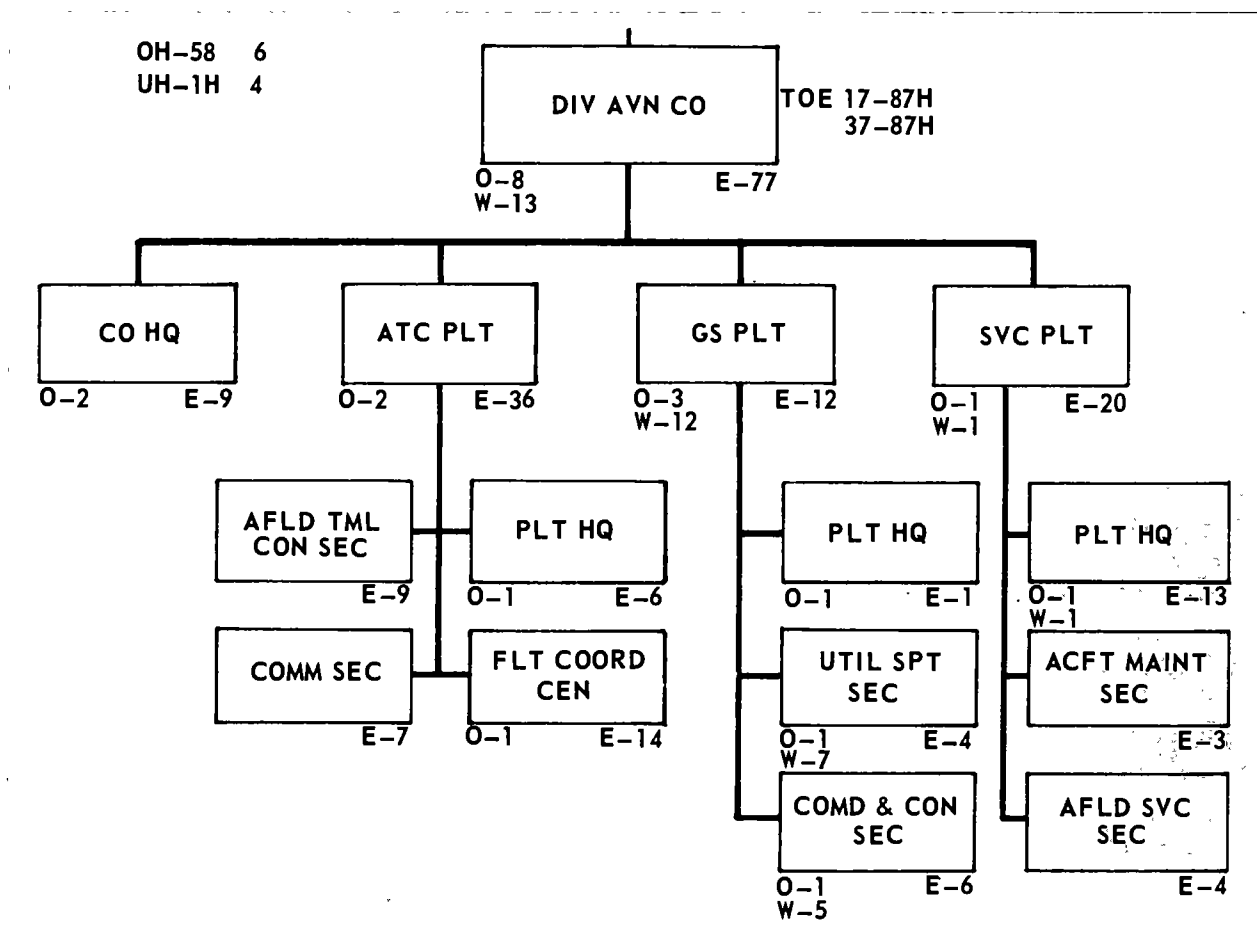


Figure 4-4. Division Aviation Company, Armored Division (TOE 17-87H) and Infantry Division (Mechanized) (TOE 37-87H).

MISSION

The mission of the division aviation company is to provide aviation support to the division headquarters.

ASSIGNMENT

One division aviation company is organic to the armored division and the infantry division (mech).

CAPABILITIES

- Provides aircraft for command, control, and liaison as required by the division commander and his staff.
- Provides and operates an instrumented airfield with terminal facilities to include 24-hour ground controlled approach (GCA) guidance.
- Provides enroute air traffic control and access into the corps air traffic control system.
- Provides emergency air and weather warning to aircraft.
- Provides limited refueling support for transient aircraft.
- Provides emergency maintenance for transient aircraft.
- Performs aviation unit maintenance on organic aircraft.
- Engages in effective, coordinated defense of its area of installation.

MOBILITY

- On a tactical move, this unit is 100 percent mobile in its organic vehicles and aircraft.
- This unit is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The division aviation company is employed as directed by the division commander. It establishes and operates the division instrumented airfield and is normally located adjacent to the airfield.

The company provides continuous day and night aviation support to the division headquarters and limited support to those units of the division without organic aircraft. To insure maximum utilization of his aviation assets, the company commander maintains close coordination with the division aviation section where missions are assigned.

PERSONNEL

DIV AVN CO, ARMD (TOE 17-87H)
AND INF DIV (MECH) (TOE 37-87H)

CO HQ

1	MAJ	Co Cdr	15A11
1	CPT	XO	15A11
1	E-8	1SG	67Z5M
1	E-7	Food Svc SGT	94B40
1	E-6	Sup SGT	76Y30
1	E-5	First Cook	94B20
1	E-5	Unit Clk	75B20
2	E-4	First Cook	94B10
1	E-4	Armrr	76Y10
1	E-4	Veh Dvr	67N10

ATC PLT HQ

1	CPT	Plt Ldr	15A25
1	E-8	ATC Fac Ch	93J50
2	E-4	Flt Op SP	71P10
2	E-3	Flt Op SP	71P10
1	E-4	Veh Dvr	71B10

FLT COORD CEN

1	LT	Op Off	17A25
1	E-7	Apch Con Ch	93J40
2	E-6	Apch Supv	93J30
1	E-5	RATT Tm Ch	05F20
2	E-5	Apch SP	93J20
2	E-4	Apch SP	93J10
2	E-4	Mpps Pwr Genr Op/ Mech	52B10
2	E-4	RATT Op	05F10
2	E-3	Apch SP	93J10

AFLD TML CON SEC

1	E-7	GCA Ch	93J40
1	E-6	GCA Supv	93J30

AFLD TML CON SEC (Cont)

1	E-6	ATC Tower Supv	93H30
1	E-5	ATC Tower Op	93H20
1	E-5	GCA SP	93J20
1	E-4	ATC Tower Op	93H10
1	E-4	GCA SP	93J10
1	E-3	ATC Tower Op	93H10
1	E-3	GCA SP	93J10

COMM SEC

1	E-6	Comm Ch	31G30
1	E-6	Sr Gnd Con Rdr Rpmn	26D30
1	E-5	Sr Fld C-E Equip Mech	31B20
1	E-4	Fld C-E Equip Mech	31B10
1	E-4	Sr Fld Swbd Op	36K10
1	E-3	Tac Wire Op SP	36K10
1	E-3	Fld Swbd Op	36K10

GEN SPT PLT HQ

1	CPT	Plt Ldr	15A11
1	E-7	Plt SGT	67N40

UTIL SPT SEC

1	LT	Sec Ldr	15A11
4	WO	Hel Pilot, UH-1	100B0
1	WO	RW Inst Exam	100B6
1	WO	RW Flt Safety Tech	100BB
1	WO	RW IP	100BC
4	E-5	UH-1 CRC	67N2F

COMD AND CON SEC

1	LT	Sec Ldr	15A11
5	WO	Hel Pilot, OH-58	100G0
6	E-5	OH-58 CRC	67V20

PERSONNEL

SVC PLT HQ

1	CPT	Plt Ldr	71A00
1	WO	Acft Rep Tech	100BR
1	E-7	Plt SGT	67N40
1	E-6	Mtr SGT	63B30
1	E-6	UH-1 Tech Insp	67N3F
1	E-6	OH-58 Tech Insp	67V3F
1	E-5	Sr Avionics Mech	35K20
1	E-4	Avionics Mech	35K10
1	E-4	GP Pwr Genr Op/ Mech	52B10
2	E-4	WVEH Mech	63B10
1	E-4	Acft Fuel Hdlr SP	76W10

SVC PLT HQ (Cont)

1	E-3	Pwr Genr Equip Helper	52B10
1	E-3	WVEH Mech	63B10
1	E-4	PLL Clk	76D10

ACFT MAINT SEC

1	E-6	Sec SGT	67N30
1	E-5	Sr UH-1 Rpmn	67N20
1	E-4	UH-1 Rpmn	67N10

AFLD SVC SEC

1	E-5	Acft Fuel Hdlr	76W20
2	E-4	Acft Fuel Hdlr	76W10
1	E-3	Acft Fuel Hdlr	76W10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

DIV AVN CO, ARMD (TOE 17-87H)
AND INF DIV (MECH) (TOE 37-87H)

		Tt: UGC-74	1
		Genr: 30 kW	2
		Hel, OH-58A	6
		Genr: 10 kW, AC	2
		Hel, UH-1H	4
		Revolver: cal .38	27
		Genr: 1.5 kW, AC & DC	7
		Rifle: 5.56mm	70
		Genr: 3 kW, AC & DC	3
		Rdo set: AN/PRC-90	20
		Genr: 7.5 kW, DC	1
Tlr, cgo: 1/4-ton	3		
Goggles, night vision: PVS-5	4		
Trk, cgo: 3/4-ton, 4x4	4		
Equip, speech scy: TSEC/ KY-28	1		
Tlr, cgo: 3/4-ton	3		
Equip, tt scy: TSEC/KY-7	1		
ATC: TSEC/KY-38	1		
Pwr sup: PP-2953/U & VEH Z-ACD	3		

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

Rdo set: AN/TSQ-70A	1	Trk, util: 1/4-ton, 4x4	2
Rdo set: AN/TSQ-71A	1	Mg, 7.62mm: lt flex w/mts	3
Rdo set: AN/TRN-30(V)2	2	Trk, cgo: 2 1/2-ton, 6x6	7
Rdo set: AN/TSC-61A	1	Tml, tg-tel: TCC-29	1
Intg, cmpt: KIR-1A/TSEC	1	Trk, cgo: 5-ton, 6x6	2
Rdo set: AN/VRC-47	2	Trk, van: 2 1/2-ton, 6x6	1
Lchr, gren: 40mm	6	Transponder, cmpt: KIT-1A/ TSEC	10
Rdo set con gp: AN/GRA-39	2	Tlr, cgo: 1 1/2-ton	3
Mg, 7.62mm: acft lt, door-mtd	8	Tlr, tk: water, 400-gal	1

FM 1-15

**TRANSPORTATION AIRCRAFT MAINTENANCE (AVIM) COMPANY,
ARMORED DIVISION (TOE 17-424H) AND INFANTRY DIVISION
(MECHANIZED) (TOE 55-424H)**

COMPOSITION

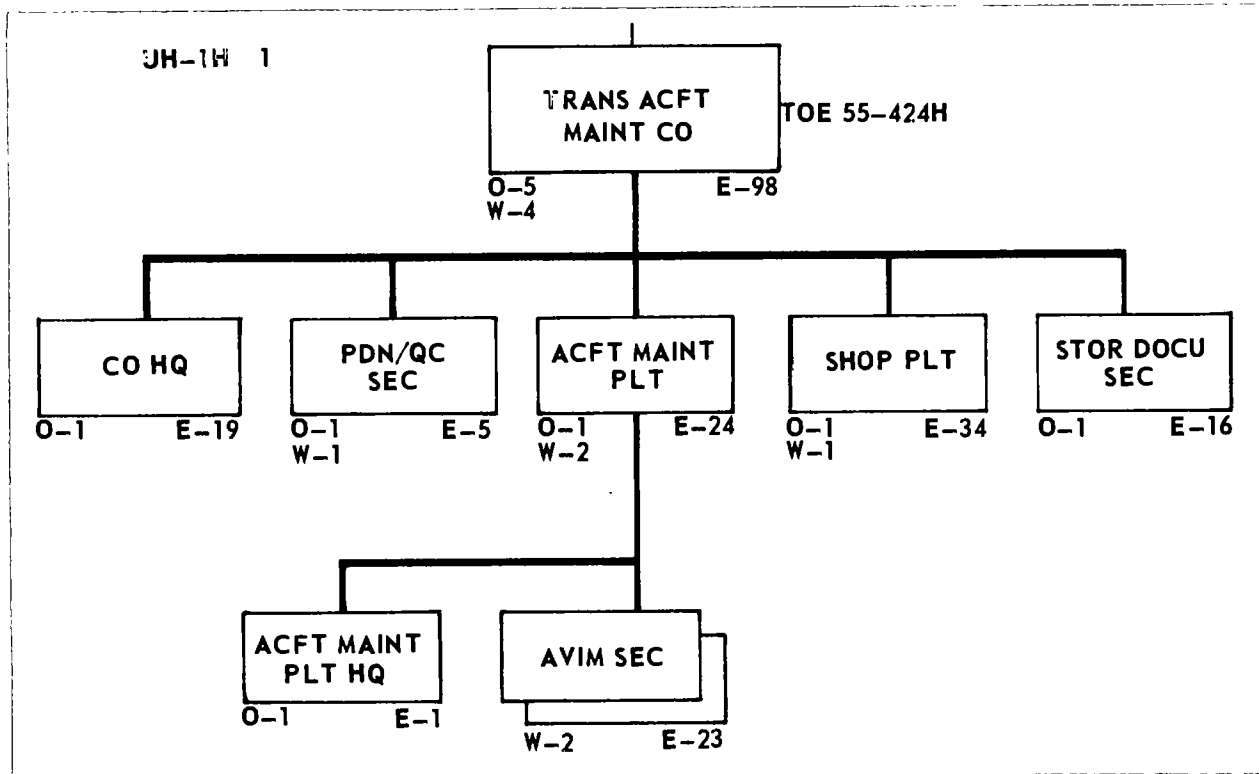


Figure 4-5. Transportation Aircraft Maintenance Company (AVIM), Armored Division and Infantry Division (Mechanized).

MISSION

The mission of the AVIM company is to provide aviation intermediate maintenance to division units possessing only a limited aviation unit maintenance capability and that portion of the aviation unit maintenance requirement not provided within the unit's capabilities. It also provides repair parts support, aircraft recovery support, and intermediate maintenance for avionics and aircraft armament to all supported units.

ASSIGNMENT

There is one AVIM company organic to the maintenance battalion of the armored division and the infantry division (mech).

CAPABILITIES

- Provides the following annual manhours of productive maintenance:

Turb Eng Rep	8,100	Avionics Rep	24,300
Rotor-Prop Rep	5,400	Mach	2,700
PWTN Rep	2,700	Hyd Rep	2,700
Elec Rep	2,700	Inst Rep	2,700
AFRM Rep	24,300	AH-1 Rep	5,400
Acft Armt Rep	8,100	UH-1 Rep	10,800
Acft FC Rep	5,400	OH-58 Rep	40,500

- Provides repair parts supply for division aircraft, avionics equipment, and aircraft armament systems.
- Provides maintenance support teams for onsite repair of downed aircraft or preparing the downed aircraft for evacuation by medium-lift or heavy-lift helicopters.
- Performs unit maintenance on organic equipment.
- Engages in effective, coordinated defense of its area or installation.

LIMITATIONS

- Dependent on appropriate units of the division for medical, finance, and personnel administrative services.
- Dependent on area transportation support for movement of class IX aircraft supplies from the resupply points, movement of retrograde items to evacuation points, and movement of about one-third of the organization during a unit relocation.

MOBILITY

- On a tactical move, this unit is approximately 61 percent mobile in its organic vehicles.
- The AVIM company is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The AVIM company is normally located in the division rear area where it can best accomplish its assigned mission. Maintenance support teams from the unit repair aircraft onsite as far forward as possible, thus returning the aircraft to service in the most expeditious manner. The unit is capable of day and night maintenance; however, light discipline required in the forward area slows night maintenance appreciably.

PERSONNEL

**TRANS ACFT MAINT (AVIM) CO,
ARMD (TOE 17-424H)
AND INF (MECH) DIV (TOE 55-424H)**

CO HQ

1	CPT	Co Cdr	71A00
1	E-8	1SG	67Z5M
1	E-6	Food Svc SGT	94B40
1	E-6	Mtr SGT	63C40
1	E-6	Sup SGT	76Y30
1	E-5	Unit Clk	75B20
2	E-5	Cook	94B20
1	E-5	WVEH Mech	63B20
1	E-4	Armr	76Y10
2	E-4	Cook	94B10
1	E-4	GP Pwr Genr Op/ Mech	52B10
3	E-4	WVEH Mech	63B10
1	E-4	Veh Dvr	64C10
1	E-4	Eng Equip Mech	62B10
1	E-3	Pwr Genr Equip Helper	52B10
1	E-3	WVEH Mech, Helper	63B10

PDN/QC SEC

1	LT	Pdn Con Off	71A00
1	WO	QC Tech	103AR
2	E-6	Hel Tech Insp	67W3F
1	E-5	UH-1 CRC	67N2F
1	E-4	Pdn Con Clk	71T20
1	E-4	UH-1 Rpmn	67N10

ACFT MAINT PLT HQ

1	LT	Plt Cdr	71A00
1	E-7	Plt SGT	67Z40

AVIM SEC

2	WO	Acft Rep Tech	100BR
2	E-6	Sec SGT	67Z30
6	E-5	Sr OH-58 Rpmn	67V20
2	E-5	Sr UH-1 Rpmn	67N20
1	E-5	Sr AH-1 Rpmn	67Y20
1	E-4	AH-1 Rpmn	67Y10
6	E-4	OH-58 Rpmn	67V10
2	E-4	UH-1 Rpmn	67N10
3	E-3	OH-58 Maint Helper	67N10

SHOP PLT

1	LT	Plt Ldr	71A00
1	WO	Avn Tech	103AR
1	E-7	Plt SGT	67Z40
1	E-6	Acft FC Rep Fman	68J30
1	E-6	Avionics Equip Supv	35P30
1	E-5	Avionics Comm Equip Rpmn	35L20
1	E-5	Avionics Flt Con Equip Rpmn	35N20
2	E-5	Avionics Nav Equip Rpmn	35M20
1	E-5	Avionics Rdr Equip Rpmn	35R20
1	E-4	Mach	94E10
1	E-5	Sr Acft Armt Rpmn	68J20
1	E-5	Sr Acft FC Rpmn	68J20

PERSONNEL

1	E-5	Sr Acft Sgl Turb Eng Rpmn	68B20
1	E-5	Sr Acft Rotor Rpmn	68G20
3	E-5	Sr AFRM Rpmn	68G20
1	E-5	Sr Acft PWTN Rpmn	68D20
2	E-4	Acft Armt Rpmn	68J10
1	E-3	Acft Sgl Turb Eng Rep Helper	68B10
1	E-4	Acft Elec	68F10
1	E-6	Acft Armt Rep Fman	68J30
1	E-4	Acft FC Rpmn	68J10
1	E-4	Acft PWTN Rpmn	68D10
1	E-3	Acft Rotor Rep Helper	68G10
1	E-4	Acft Rotor Rpmn	68G10
2	E-4	Acft Sgl Turb Eng Rpmn	68B10
4	E-4	AFRM Rpmn	68G10
1	E-6	Maint Supv	68G30
1	E-4	Equip Maint Clk	76D10

1	E-6	Acft Turb Eng Rep Supv	68B30
1	E-3	Toolroom Keeper	67N10
1	E-4	Acft Hyd Rpmn	68H10
1	E-4	Mat Supmn	76D10
1	E-5	Acft Inst Rpmn	68F20
1	E-5	Sr Acft Hyd Rpmn	68H20
1	E-5	AFRM Welder	68G20
1	E-3	AFRM Rep Helper	68G10
2	E-3	Asst Acft Armt Rpmn	68J10

STOR/DOCU SEC

1	WO	Spt Sup Tech	761A0
1	E-7	Plt SGT	76D40
1	E-6	Mat Sup Supv	76D30
3	E-5	Mat Sup SP	76D20
5	E-4	Mat Sup SP	76D10
3	E-3	Mat Sup SP	76D10
1	E-4	Pkg-Crtg SP	76V10
1	E-4	Sup Con/Acct Clk	76P10
1	E-5	Sup Con/Acct Clk	76P20

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

TRANS ACFT MAINT (AVIM) CO, ARMD (TOE 17-424H)
AND INF (MECH) DIV (TOE 55-424H)

Genr: 60 kW	1
Hel, UH-1H	1
Genr: 15 kW, AC	1
Revolver: cal .38	9
Genr: 7.5 kW, DC	3

Rifle: 5.56mm	101
Genr: 5 kw, AC	1
Rdo set: AN/PRC-90	2
Genr: 3 kW, DC	2
Rdo set: AN/VRC-46	1
Genr: 1.5 kW, AC	4
Equip, speech scty: TSEC/KY-28	1

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

Intg, cmpt: KIR-1A/TSEC	1	Trk, cgo: 5-ton, 6x6, LWB	1
Equip, speech scty: TSEC/KY-38	1	Trk, trac: 5-ton, 6x6	7
Lchr, gren: 40mm, rifle	6	Trk, trac: wkr, 5-ton, 6x6	1
Trk, util: ¼-ton, 4x4	2	Tlr, cgo: 1 ½-ton	2
Mg, 7.62mm, lt flex w/mts	2	Stlr, van: 12-ton	7
Tlr, cgo: ¼-ton	2	Stlr, stake: 12-ton	1
Mg, 7.62mm: acft lt, door-mtd	2	Stlr, low-bed: 12-ton	1
Trk, cgo: ¾-ton, 4x4	4	Shop set: acft maint tlr-mtd	1
Pwr sup: PP-1104/G, 2953/U,		Shop set: stlr-mtd (AVIM)	5
3939/G, 3940/G	5	Tlr, tk: water, 400-gal, 1 ½-ton	1
Tlr, cgo: 2 ½-ton, 6x6	2	Tlr, acft maint ambl	6
Rdo set con gp: AN/GRA-39	1	Transponder, cmpt: KIT-1A/TSEC	1
Trk, van: 2 ½-ton, shop, 6x6	2	Trk, FLFT: 6,000-lb, RT	1

CHAPTER 5

AVIATION OF THE AIRMOBILE (AIR ASSAULT) DIVISION

The airmobile division is characterized by the ability to respond immediately and to maneuver rapidly over all types of terrain. It can locate and maintain contact with the enemy or maintain contact between other friendly forces, and counter hostile air assault, airborne, and irregular forces. The division attains the high mobility of its combat maneuver forces through the use of its assigned aircraft rather than slower traditional surface vehicles.

COMPOSITION

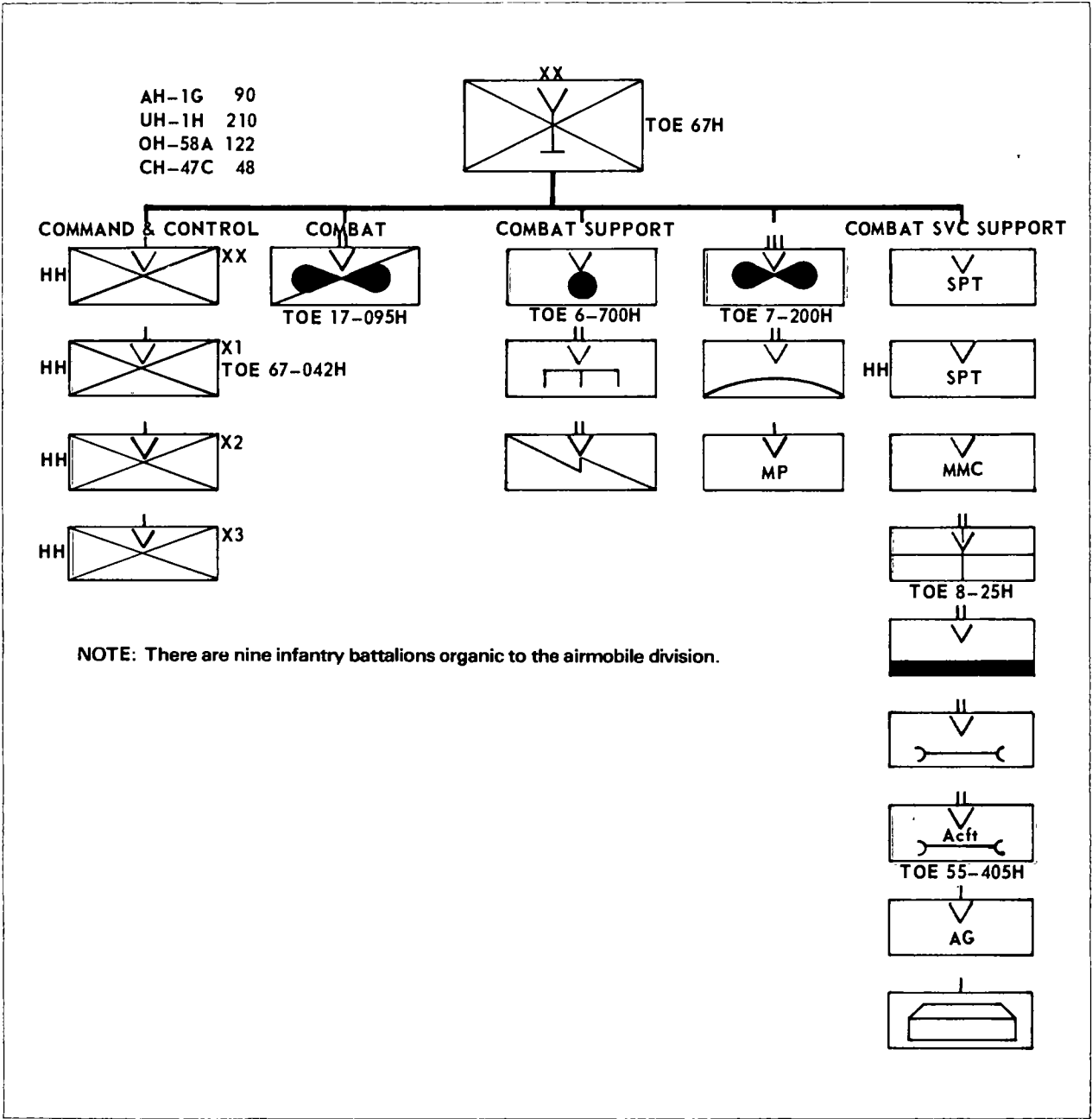


Figure 5-1. Airmobile (Air Assault) Division Base.

MISSION

The mission of the airmobile division is to destroy enemy armed forces and to control land area to include populations and resources.

ASSIGNMENT

The airmobile division is assigned to corps or separate task force.

EMPLOYMENT

Organic airmobility systems enable the airmobile division to respond immediately and to maneuver rapidly over large areas in all types of terrain. It is capable of rapidly redeploying its combat forces by vertical entry and recovery of units on the battlefield. The division can be so employed that the mass and intensity of its attack can be applied promptly against the enemy, thereby changing the tempo of a single engagement. The frequency with which these engagements are possible and the range and types of terrain over which these combat actions can be initiated make the division ideal for screening wide fronts, conducting delaying actions, and raids into the enemy's rear area.

The airmobile division's organic aircraft provide the capability to find, surprise, and fight the enemy while bypassing obstacles and strongpoints. Combat support elements of the division are also moved by aviation units throughout the battlefield area as the situation may dictate.

FM 1-15

**AVIATION PLATOON, HEADQUARTERS AND HEADQUARTERS COMPANY,
AIRMOBILE (AIR ASSAULT) DIVISION BRIGADE (TOE 67-42H)**

COMPOSITION

The brigade aviation platoon is organized within the headquarters and headquarters company and consists of a platoon headquarters, flight section, and an AVUM maintenance section.

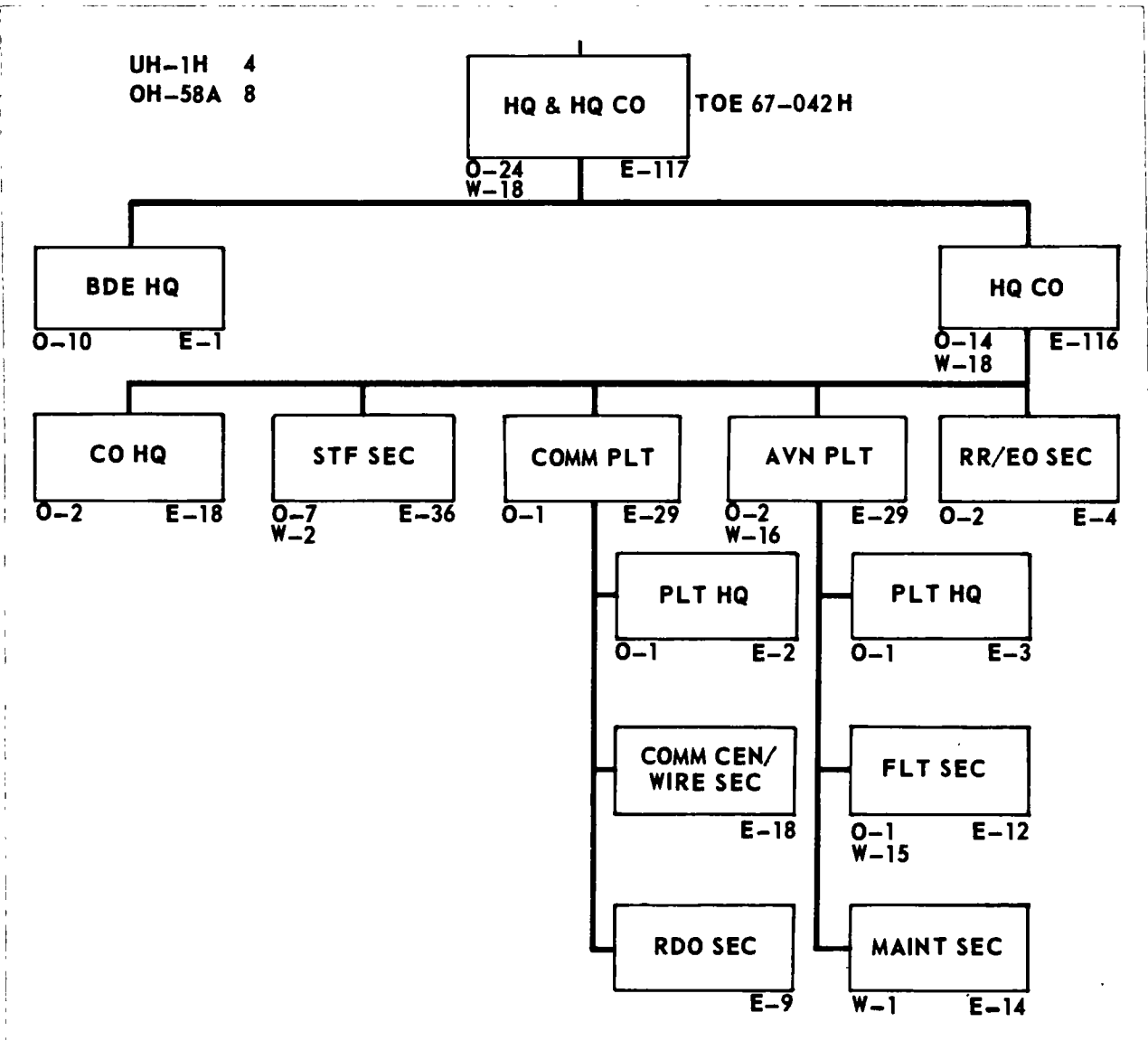


Figure 5-2. Headquarters and Headquarters Company, Airmobile (Air Assault) Division Brigade.

MISSION

The mission of the aviation platoon is to provide Army aviation for command and control by the brigade headquarters and subordinate units.

ASSIGNMENT

There is one aviation platoon organic to the headquarters company of each of the airmobile division's three brigades.

CAPABILITIES

Performs aviation unit maintenance on organic aircraft.

The aviation platoon provides helicopters for:

- Command and control of units organic or attached to the brigade.
- Aerial observation and reconnaissance.
- Conduct of aerial wire laying.
- Conduct of radiological surveys.

MOBILITY

• The aviation platoon is 100 percent mobile in its organic aircraft and vehicles; *however*, the brigade headquarters and headquarters company is only 47 percent mobile in its organic vehicles and aircraft.

- The company is 100 percent mobile in division aircraft.
- The company is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The brigade aviation platoon aircraft are under the control of the brigade S3. Subordinate units desiring aviation support request such support from the brigade. The S3 determines if it is within the capabilities of the aviation platoon and assigns the mission on a need basis. Those missions which are beyond the capabilities of the brigade aviation platoon will be supported by the aviation group which will be discussed later in this chapter.

PERSONNEL**AVN PLT, HHC, AMBL (AIR ASLT) DIV BDE (TOE 67-42H)****AVN PLT HQ**

1	CPT	Plt Ldr	15A11
1	E-7	Plt SGT	67Z40
1	E-6	Flt Op SGT	71P30
1	E-3	Clk	71B10

FLT SEC

1	LT	Sec Ch	15A11
1	WO	RW Inst Exam	100B6
8	WO	OH-58 Pilot	100G0
1	WO	RW IP	100BC
1	WO	Flt Safety Tech	100BB
4	WO	RW Pilot	100B0

8	E-5	OH-58 CRC	67V20
4	E-5	UH-1 CRC	67N2F

AVUM SEC

1	WO	Sec Ch	100GR
1	E-6	Maint Supv	67N30
2	E-6	Tech Insp	67W3F
1	E-5	Sr Avionics Mech	35K20
1	E-5	Sr UH-1 Rpmn	67N20
1	E-5	Acft Fuel Hdlr	76W20
2	E-4	Acft Fuel Hdlr	76W10
1	E-4	Avionics Mech	35K10
1	E-4	Equip Maint Clk	71D10
1	E-4	Mat Supmn	76D10
1	E-4	UH-1 Rpmn	67N10
1	E-3	Acft Fuel Hdlr	76W10
1	E-3	Mat Supmn	76D10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**AVN PLT, HHC, AMBL (AIR ASLT) DIV BDE (TOE 67-42H)**

Hel, UH-1H	4
Lchr, gren: 40mm	3
Hel, OH-58	8
Revolver: cal .38	23
Rifle: 5.56mm	23
Goggles, night vision: AN/PVS-5	12
Rdo set: AN/PRC-90	24
Rdo set: AN/PRC-41	2
Rdo set: AN/PRC-77	1

Trk, cgo: 1 1/4-ton, 4x4	1
Rdo set: AN/VRC-24/46	1/1
Rdo set con gp: AN/GRA-39	1
Equip, speech scty: TSEC/KY-28	24
Equip, speech scty: TSEC/KY-38	1
Tlr, cgo: 1/4-ton	1
Metascope: PAS-6	1
Trk, cgo: 1/4-ton, 4x4	1
Comd console: ASC-15	4
Intg, cmpt: KIR-1A TSEC	1
Genr: 5 kw, AC	1

AIR CAVALRY SQUADRON, AIRMOBILE (AIR ASSAULT) DIVISION (TOE 17-095H)

The air cavalry squadron is organized and shown in figure 5-3. Its organization is identical to the air cavalry squadron of the infantry division with minor changes of personnel and equipment. The mission, capabilities, mobility, and employment are the same and are discussed in appendix B of this manual.

COMPOSITION

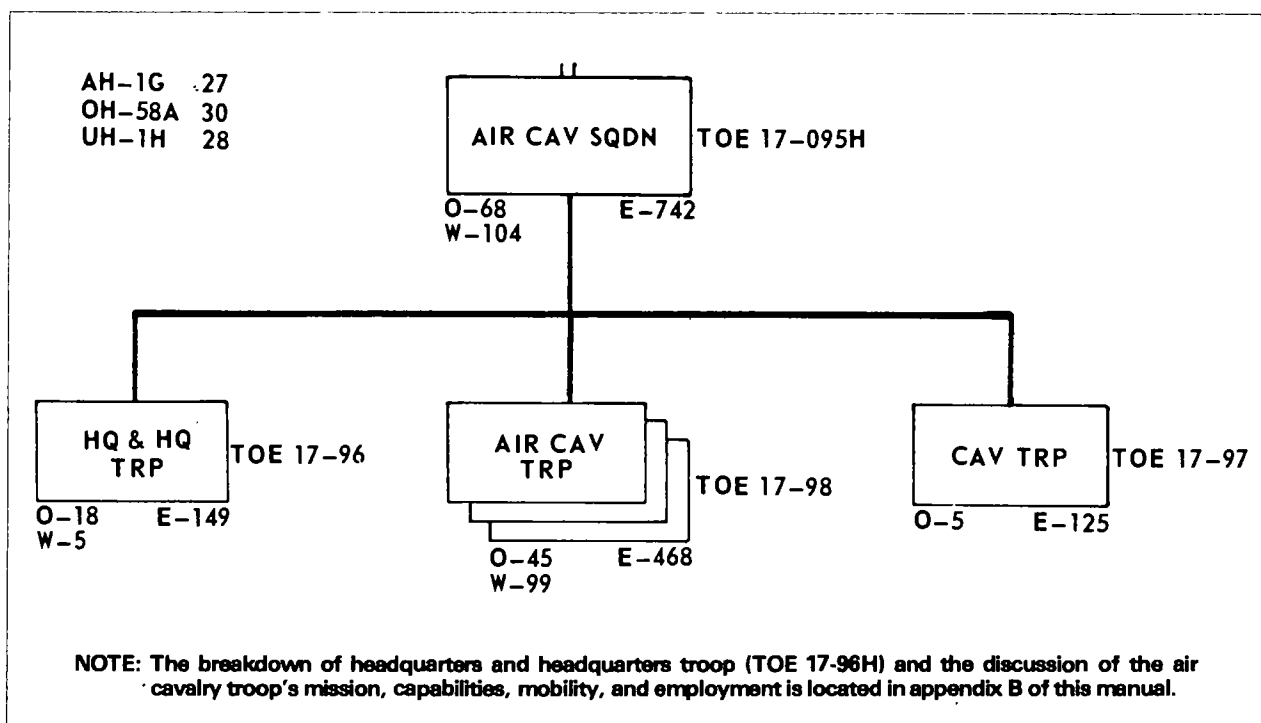


Figure 5-3. Air Cavalry Squadron, Airmobile (Air Assault) Division.

ASSIGNMENT

There is one air cavalry squadron organic to the airmobile division.

DIVISION ARTILLERY, AIRMOBILE (AIR ASSAULT) DIVISION (TOE 6-700H)

COMPOSITION

The division artillery (DIVARTY) of the airmobile division differs appreciably from the other standard divisions. Because of the increased demand for airmobility, the aviation assets have been taken out of the headquarters battery, increased in number, and assigned as a target acquisition battery. Another important difference is that the aerial field artillery battalion organic to the airmobile division artillery is replacing the conventional 8-inch howitzers as the general support weapons.

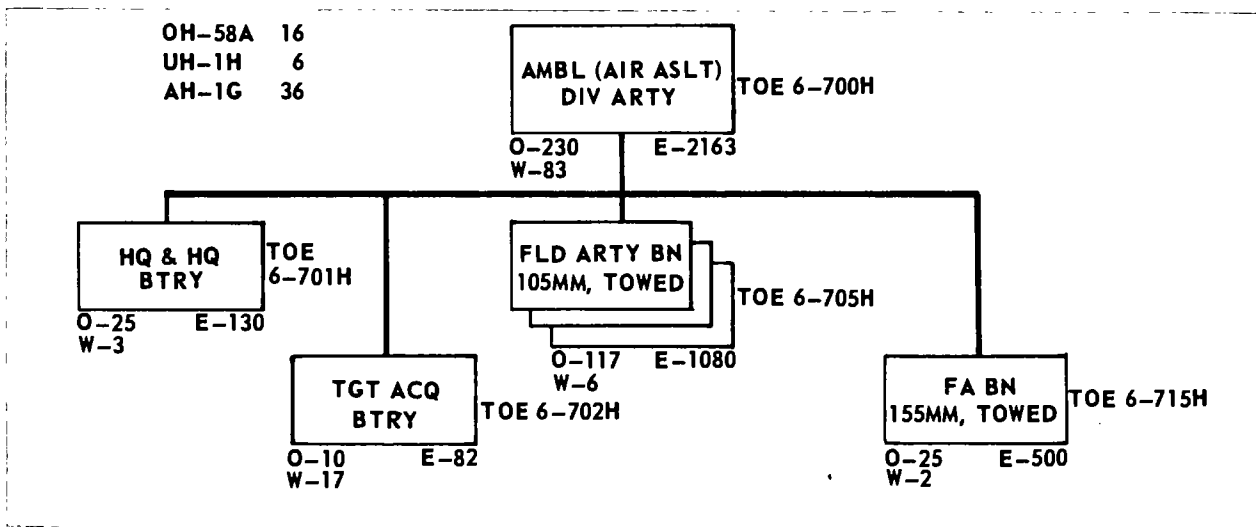


Figure 5-4. Airmobile Division Artillery, Airmobile (Air Assault) Division.

MISSION

The mission of the division artillery is to provide field artillery fire support for the airmobile division.

ASSIGNMENT

The division artillery is organic to the airmobile division.

TARGET ACQUISITION BATTERY, AIRMOBILE (AIR ASSAULT) DIVISION ARTILLERY (TOE 6-307H)

COMPOSITION

The target acquisition battery of the airmobile division artillery provides the increased aviation support requirements over the other divisions.

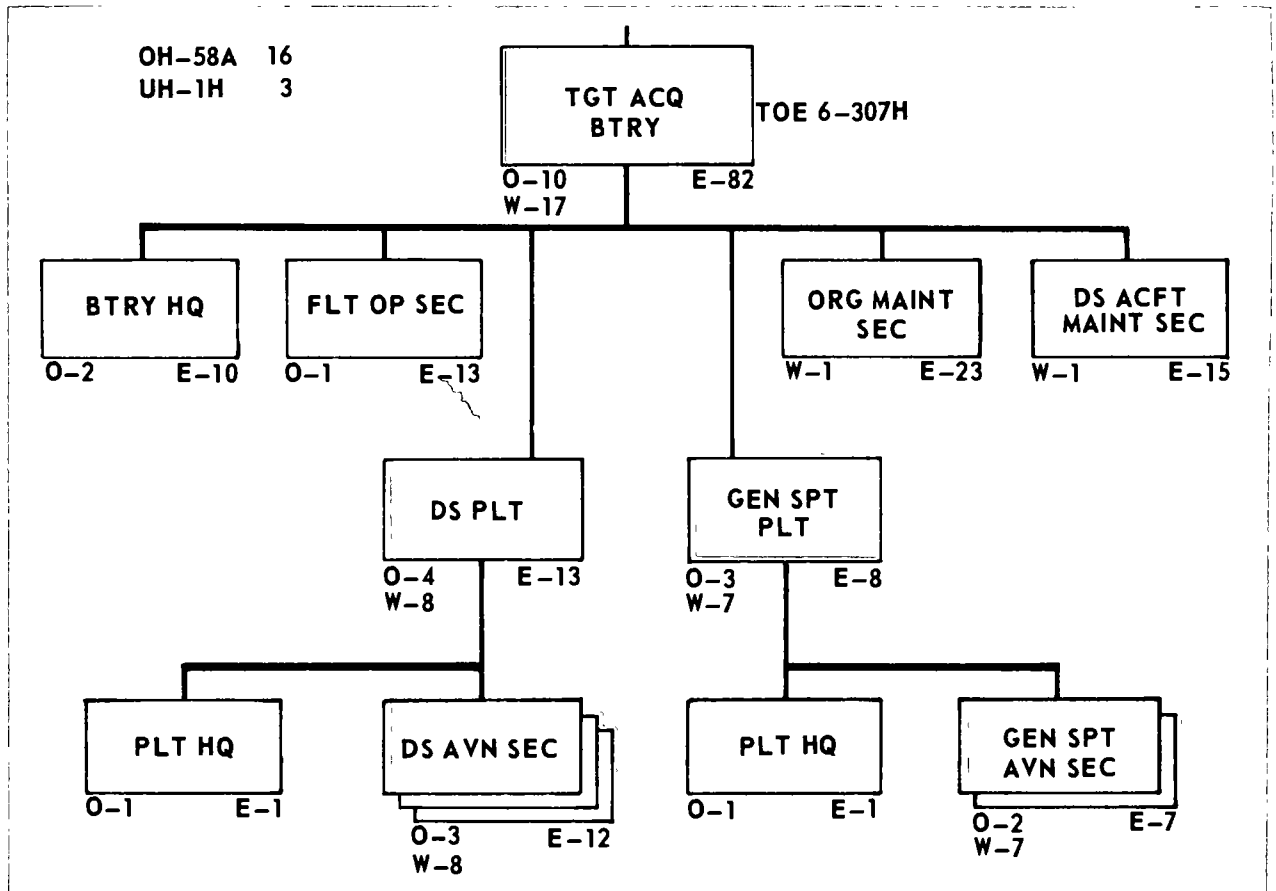


Figure 5-5. Target Acquisition Battery, Airmobile (Air Assault) Division Artillery.

MISSION

The mission of the target acquisition battery is to increase the combat effectiveness of the airmobile division artillery by providing immediately responsive aviation support.

ASSIGNMENT

There is one target acquisition battery organic to the airmobile DIVARTY.

CAPABILITIES

- Provides aviation assets for continuous, day and night, aerial observation, reconnaissance, and surveillance of enemy areas for the purpose of locating, verifying, and evaluating targets, terrain study, and adjusting artillery fires.
- Provides aerial wire laying, radio relay, and propaganda leaflet dissemination.
- Performs organizational maintenance on organic equipment.
- Performs aviation unit maintenance on organic aircraft except armament and avionics equipment.

LIMITATIONS

- This unit is dependent upon appropriate units of the division for finance and personnel administration services.
- This unit is dependent upon the headquarters and headquarters battery, DIVARTY, for medical support.
- This battery is dependent upon other organizations for defense against hostile aircraft.

MOBILITY

- On a tactical move, the aviation battery is approximately 75 percent mobile in its organic vehicles and aircraft.
- This unit is 100 percent air transportable in divisional aircraft.
- The battery is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The target acquisition battery is normally located near the DIVARTY headquarters to provide aviation support for the DIVARTY commander and his staff. The battery has the mission to provide aerial observation support to the direct support and reinforcing artillery battalions. The DIVARTY S3, after evaluating the tactical situation and coordinating with the division G2 on the divisional surveillance plan, directs one or more aerial observer teams to support a field artillery battalion for a given period of time. The fire support officer of the supported artillery battalion will control the team while it is in his sector. When additional aviation support is required, the supported artillery unit may request it from the DIVARTY S3. The doctrinal publication for the employment of this unit is TC 6-40-6.

PERSONNEL

TGT ACQ BTRY, AMBL (AIR ASLT) DIV ARTY (TOE 6-307H)

BTRY HQ

1	MAJ	Btry Cdr	13A00
1	CPT	XO	13A00
1	E-8	1SG	67Z5M
1	E-7	Food Svc SGT	94B40
1	E-6	Sup SGT	76Y30
1	E-5	First Cook	94B20
1	E-5	Unit Clk	75B20
1	E-5	Cook	94B20
1	E-4	Armr	76Y10
2	E-4	Cook	94B10
1	E-3	Lt Veh Dvr	13B10

FLT OP SEC

1	CPT	Flt Op Off	12X00
1	E-7	Flt Op Ch	71P40
1	E-6	Comm Ch	31G30
1	E-5	RATT Tm Ch	05F20
1	E-4	Flt Op SP	71P10
2	E-3	Flt Op SP	71P10
2	E-4	RATT Op	05F10
1	E-4	Sr Fld Swbd Op	36K10
1	E-4	Sr Voice Rdo Op	05E10
2	E-3	Tac Wire Op SP	36K10
1	E-3	Voice Rdo Op	05E10

DS PLT HQ

1	CPT	Plt Cdr	13A00
1	E-7	Plt SGT	67V40

DS AVN SEC

3	LT	Sec Ldr	12A00
8	WO	OH-58 Pilot	100G0

12	E-5	OH-58 CRC	67V20
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GS PLT HQ

1	CPT	Plt Cdr	13A00
1	E-7	Plt SGT	67Z40

GS AVN SEC

2	LT	Sec Ldr	12A00
3	WO	UH-1 Pilot	100B0
1	WO	Inst Exam	100B6
1	WO	IP, UH-1	100BC
1	WO	IP, OH-58	100GC
1	WO	Flt Safety Tech	100BB
3	E-5	UH-1 CRC	67N2F
4	E-5	OH-58 CRC	67V20

ORG MAINT

1	WO	Acft Rep Tech, OH-58	100GR
1	E-7	Maint Supv	67Z40
1	E-6	Mtr SGT	63B30
2	E-6	Hel Tech Insp	67V3F
1	E-5	Mat Supmn	76D20
1	E-5	Sr Avionics Mech	35K20
1	E-5	Sr UH-1 Rpmn	67N20
1	E-4	Acft Armt Rpmn	68M10
2	E-4	Acft Fuel Hldg SP	76W10
2	E-4	Mat Supmn	76D10
2	E-4	Avionics Mech	35K10
1	E-4	Equip Maint Clk	76D10
2	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	PLL Clk	76D10
1	E-4	UH-1 Rpmn	67N10
1	E-4	WVEH Mech	63B10
1	E-3	Pwr Eng Equip Helper	52B10
1	E-3	Mat Supmn	76D10
1	E-3	Asst WVEH Mech	63B10

PERSONNEL**DS ACFT MAINT SEC**

1	WO	Acft Rep Tech	103AR	1	E-4	Acft Rotor Rpmn	68G10
1	E-7	Maint Supv	67Z40	1	E-4	Acft Sgl Turb Eng	
1	E-6	Hel Tech Insp	67W3F			Rpmn	68B10
1	E-5	Sr AFRM Rpmn	68G20	2	E-4	OH-58 Rpmn	67V10
1	E-5	Sr OH-58 Rpmn	67V20	1	E-4	Acft Elec	68F10
1	E-4	Acft PWTN Rpmn	68D10	1	E-4	Acft Hyd Rpmn	68H10
1	E-4	Mat Supmn	76D10	1	E-4	UH-1 Rpmn	67N10
				2	E-4	AFRM Rpmn	68G10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**AVN BTRY, AMBL (AIR ASLT) DIV ARTY (TOE 6-702H)**

Comd console: ASC-15	2	Tlr, cgo: ¾-ton	9
Hel, OH-58	16	Mg, 7.62mm: lt flex w/mts	3
Crane, whl-mtd: 3-ton	1	Trk, cgo: 2½-ton, 6x6	2
Hel, UH-1H	3	Goggles, night vision: PVS-5	28
Genr: 1.5 kW, AC & DC	5	Tlr, cgo: 1½-ton	1
Revolver: cal .38	32	Tlr, tk: water, 400-gal	1
Genr: 3 kW, AC & DC	3	Trk, FLFT: RT, 6,000-lb	1
Rifle, 5.56mm	77	Equip, tt speech scty: TSEC-KW-7	1
Genr: 7.5 kW, DC	2	Rdo set: AN/PRC-90	38
Trk, util: ¼-ton, 4x4	2	RATT set: VSC-2	3
Intg, cmpt: KIA-1A/TSEC	2	Rdo set: AN/VRC-24	1
Tlr, cgo: ¼-ton	2	Rdo set: AN/VRC-46	2
Lchr, gren: 40mm	3	Rdo set: AN/VRC-47	1
Trk, cgo: ¾-ton, 4x4	9	Rdo set con gp: GRA-6 & 39	3
Mg, 7.62mm: acft, lt, door-mtd	6	Equip, speech scty: TSEC/KY-28	22
		Equip, speech scty: TSEC/KY-38	3

AVIATION GROUP, AIRMOBILE (AIR ASSAULT) DIVISION (TOE 7-200H)

The combat aviation group is a tactical support unit designed to provide the aviation combat, combat support, and combat service support required by an airmobile division. The group is capable of accepting additional aviation attachments from corps sources as the tactical situation developments dictate.

COMPOSITION

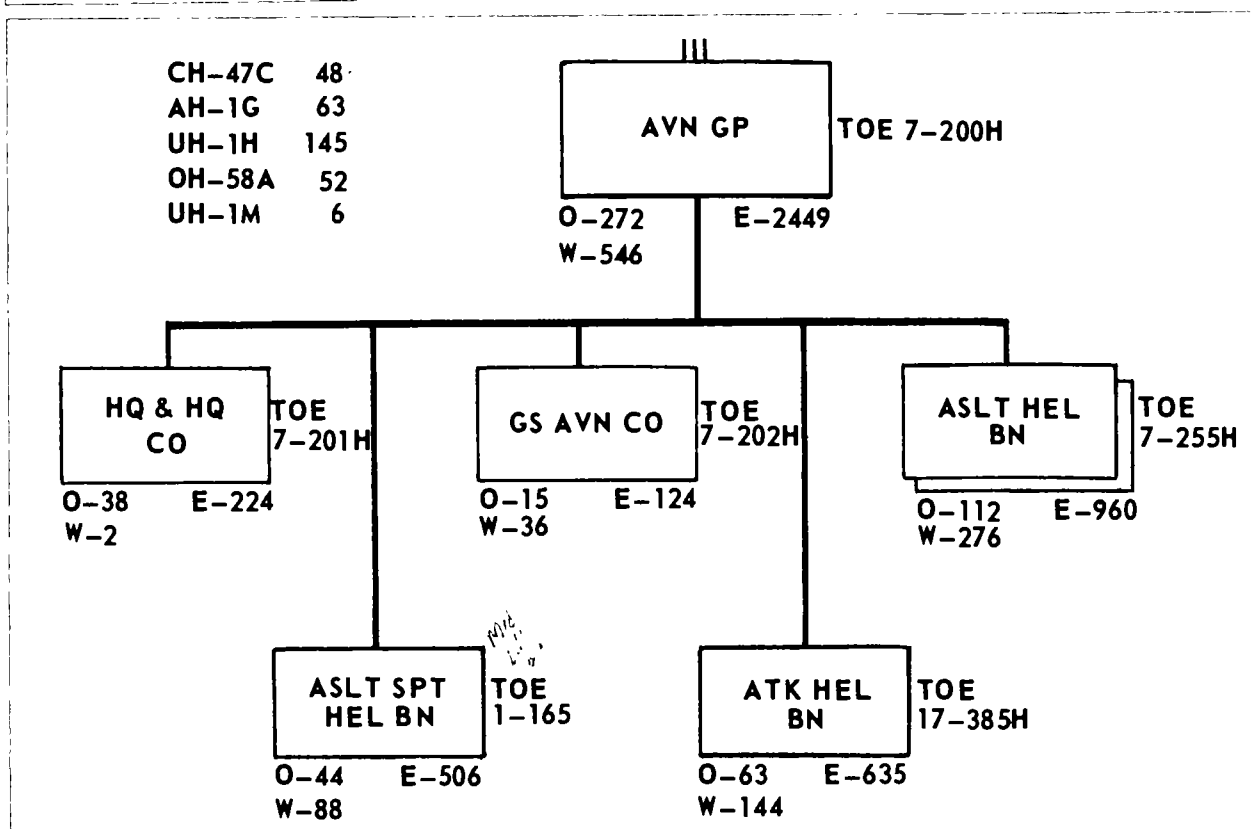


Figure 5-6. Aviation Group, Airmobile (Air Assault) Division.

MISSION

The mission of the aviation group is to provide the aviation support required by the division and special staff personnel to the division headquarters.

ASSIGNMENT

One aviation group is *organic* to the airmobile division.

CAPABILITIES

- Provides command, control, staff planning, and supervision of subordinate and attached units.
- Provides aviation special staff personnel for the division headquarters.
- Provides aerial battlefield surveillance to acquire information from the enemy and terrain, and performs target acquisition.
- At normal aircraft availability, airlifts, simultaneously, the assault elements of two air assault infantry battalions and three 105mm howitzer batteries, or any combination thereof.
- Provides continuous 24-hour operations.
- Provides aircraft to support the division headquarters, support command, and other units without organic aircraft.
- Provides aircraft for general support and reinforcement to the units with organic aircraft.
- Provides augmentation of Army air ambulance resources when requested by medical authority.
- Provides pathfinder support for the division.
- Provides aerial overwatch for the airmobile division.
- Provides personnel and equipment to establish and operate five instrumented division heliports and a flight coordination center (FCC).
- Provides attack helicopters to perform aerial overwatch for tactical insertions and extractions, direct aerial fire support, and armed reconnaissance for the division.

LIMITATIONS

- Depends on the division support command (DISCOM) for normal logistical support to include bulk supply of aviation fuel.
- Depends on the division signal battalion for logistical direct support of organic COMSEC equipment, and to provide a multi-channel terminal facility for operation in the division multi-channel communication system when the group headquarters is widely separated from the division base.

MOBILITY

- Tactical mobility of the aviation group is based on the mobility of its subordinate units. Refer to the mobility paragraph of these units to determine the mobility of the group.
- The aviation group is 100 percent air transportable in US Air Force aircraft; however, the aircraft of the group must be transported in C-5A Galaxy aircraft to insure immediate combat readiness at its destination.

COORDINATION

- *Group Commander*—The group commander also serves as the division aviation officer. In addition to commanding activities of the group and serving as aviation advisor to the division commander, he exercises special staff supervision of nonorganic Army aviation assets attached to or supporting the division.

- *Assistant Division Aviation Officer*—The assistant division aviation officer, located at the division tactical operations center (DTOC), serves as the primary coordination agency for allocation of the division's aviation resources.

- *Liaison*—To provide effective and timely aviation resources to the division, the group must maintain liaison with the major units of the division.

A group liaison officer or team habitually is attached to each infantry brigade of the division. The liaison officer is the group commander's representative to the brigade commander and his staff. He is immediately responsive to the group commander. When an assault helicopter battalion is placed in support of an infantry brigade, that battalion commander becomes the brigade commander's principal advisor on the employment of the aviation battalion.

The group also maintains liaison with the other major units of the division through unit liaison officers assigned from the group's subordinate battalions. These liaison officers serve as advisors to the supported commanders on aviation matters and maintain direct communication between the participating and ground aviation units.

- *Joint Airspace Utilization*—Due to the relatively large number of aircraft used in airmobile division operations and the anticipated frequent use of US Air Force support, airspace coordination is an important requirement. This coordination is a responsibility of the division commander. It normally is accomplished by the division G3 through the airspace management element (AME) in the DTOC.

EMPLOYMENT

The combat aviation group is employed in general support of the airmobile division. Missions are received from the division headquarters, and specific requirements are placed on the group's subordinate units by the group headquarters. Aviation battalions are normally placed in direct support of committed infantry brigades and division artillery. In addition, remaining assets of the group are kept in general support on a mission basis under the control of group headquarters.

HEADQUARTERS AND HEADQUARTERS COMPANY
AVIATION GROUP, AIRMOBILE DIVISION (TOE 7-201H)

COMPOSITION

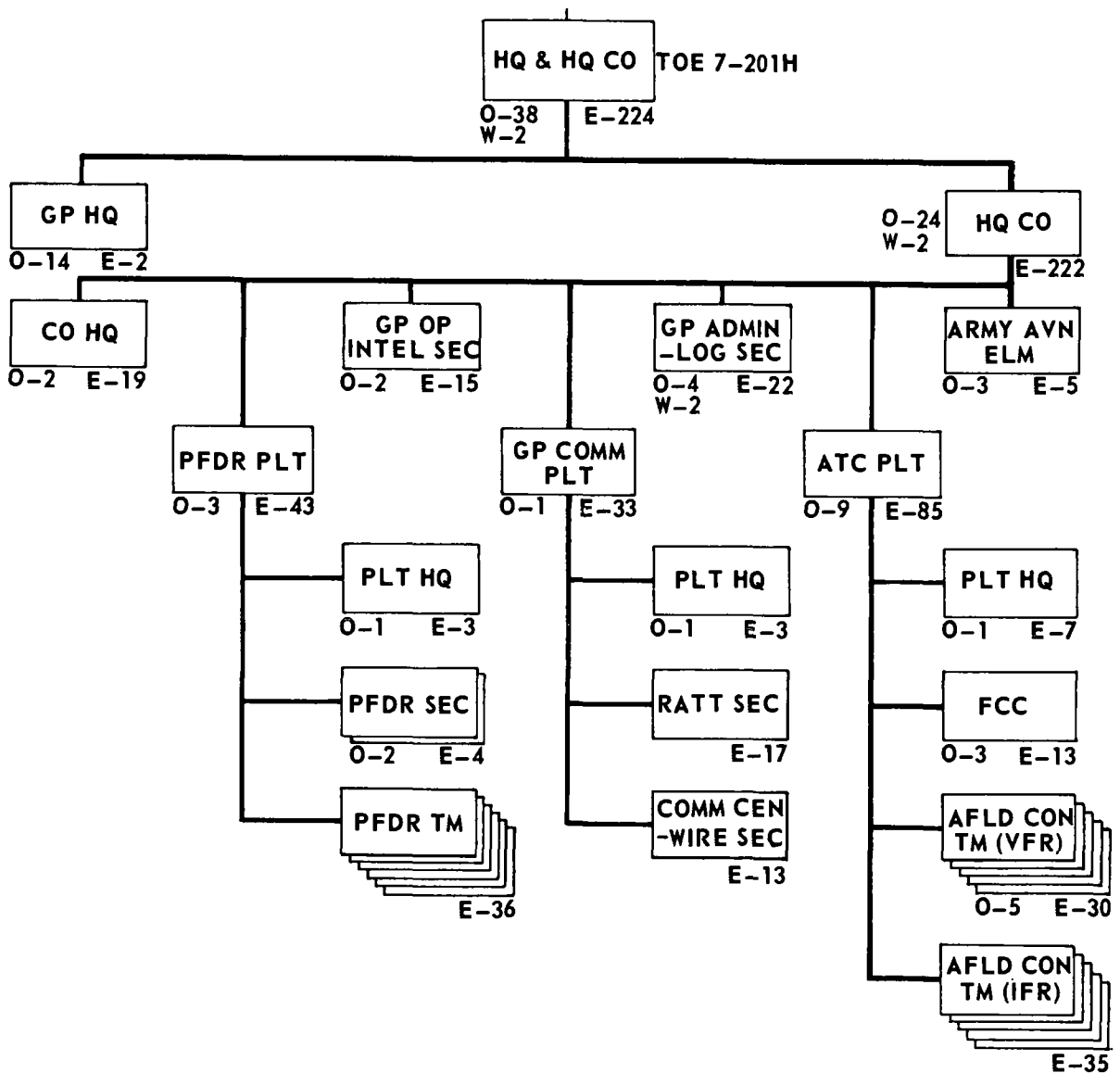


Figure 5-7. Headquarters and Headquarters Company, Aviation Group, Airmobile (Air Assault) Division.

MISSION

The mission of the HHC is to furnish command and control for the aviation group; furnish supply and communications for the aviation group headquarters; provide Army aviation special staff personnel for the division headquarters; and provide personnel and equipment to establish and operate up to *five* instrumented heliports for the airmobile division.

ASSIGNMENT

One HHC is organic to the aviation group.

CAPABILITIES

- Provides command and control; performs staff planning and furnishes communications and supervision of operations of subordinate units of the aviation group and attached units.
- Provides aviation special staff personnel for the aviation group headquarters, division aviation officer's section, and the Army aviation element of the DTOC.
- Provides personnel to supervise supply, maintenance, and administration for organic and attached units.
- Provides pathfinder support to the division.
- Provides personnel and equipment to establish and operate five instrumented heliports and a flight coordination center (FCC).
- Assists in the ground defense of the unit area.
- Performs organizational maintenance on organic equipment.

MOBILITY

- On a tactical move, this unit is 80 percent mobile in its organic vehicles.
- The company is 100 percent air transportable by division aircraft.
- It is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The company is located near the group command post (CP) where it performs administrative functions in support of the group headquarters, to include mess, supply, quarters, communications, and maintenance.

It provides pathfinder support throughout the division area by providing navigational assistance to Army aircraft through operation of enroute navigation, airlanding, or air delivery facilities on or over friendly, enemy-threatened, or enemy-dominated areas. Pathfinder detachments are made available to aviation units by arrangement with the aviation group S3. The capabilities of the pathfinder platoon are discussed in FM 57-38.

The AME team from the HHC provides the aviation specialist for the airspace control element at the DTOC. The AME serves as a source of information for current status of air defense and Army aviation capabilities.

PERSONNEL			
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HQ & HQ CO, AVN GP, AIR AMBL (AIR ASLT) DIV (TOE 7-201H)			
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GP HQ			
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1	COL	Gp Cdr	15A00
1	LTC	XO	15A00
1	LTC	Asst Div Avn Off	15A00
1	MAJ	S3	15A00
1	MAJ	Avn Safety Off	15A00
1	MAJ	CH	56A00
1	MAJ	C-E Off	15A25
1	MAJ	S1	15A41
1	MAJ	S2	15A35
1	MAJ	S4	15A92
1	MAJ	Flt Surg	61N00
1	CPT	Avn Maint Off	71A00
1	CPT	Cml Off	74A00
1	CPT	Stdzn Off	15A00
1	E-9	CSM	00Z50
1	E-8	Army CARCSLR	00E50

CO HQ			
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1	CPT	Co Cdr	11X00
1	LT	XO	11X00
1	E-8	1SG	67Z5M
1	E-7	Food Svc SGT	94B40
1	E-6	Mtr SGT	63B30
1	E-6	Sup SGT	76Y30
1	E-6	First Cook	94B30
1	E-5	Unit Clk	75B20
1	E-5	Cook	94B20
1	E-5	WVEH Mech	63B20
1	E-4	Armr	76H10
2	E-4	Cook	94B10
1	E-4	PLL Clk	76D10
1	E-4	WVEH Mech	63B10
1	E-3	Gen Supmn	76Y10
2	E-3	WVEH Mech	63B10
2	E-3	Cook	94B10
1	E-3	Lt Veh Dvr	63B10

PERSONNEL

GP OP-INTEL SEC

1	CPT	Asst S3	15A00
1	CPT	Op Plans Off	15A00
1	E-9	Op SGT	71P50
1	E-8	Aerial Intel SGT	96D50
1	E-6	Cml Stf NCO	54E30
1	E-5	Voice Rdo Tech	05E20
1	E-5	Intel Anal	96B20
1	E-4	Flt Op SP	71P10
2	E-4	Clk-Typist	71B10
2	E-4	Gen Dftmn	81A10
1	E-4	Sr Voice Rdo Op	05E20
2	E-3	Flt Op SP	71P10
1	E-4	Lt Veh Dvr	63B10
1	E-3	Voice Rdo Op	05E10

GP ADMIN-LOG SEC

1	CPT	Admin Off	42A00
2	CPT	CH	56A00
1	CPT	Mtr Off	77A00
1	WO	Food Svc Tech	941A0
1	WO	Unit Sup Tech	761A0
1	E-8	Acft Maint SGT	76Z50
1	E-8	Ch Sup SGT	76Z5K
1	E-7	Acft Armt Rep Adv	45J40
1	E-7	Avionics Insp	35P40
1	E-7	Ch Hel Tech Insp	67W4F
1	E-8	Food Svc Sup	94B50
1	E-7	PSNCO	75Z40
1	E-6	Petrl Sup Supv	76W30
2	E-6	Hel Tech Insp	67W3F
1	E-6	Legal Clk	71D30
1	E-5	CH Asst	71M20
2	E-4	CH Asst	71M10
3	E-4	Clk-Typist	71B10
1	E-4	Equip Maint Clk	76D10
1	E-4	Med Aidman	91B10
1	E-4	Mat Supmn	76D10
1	E-4	Lt Veh Dvr	63B10

GP ADMIN-LOG SEC (cont)

*1	E-5	Mail Distr SP	71L20
1	E-3	Mat Supmn	76D10
*1	E-5	Sr Info SP	71Q20

PFDR PLT HQ

1	LT	Plt Ldr	11B00
1	E-7	Plt SGT	11B4Y
2	E-3	Rdo Tel Op	11B1Y

PFDR SEC

2	LT	Sec Ldr	11B00
2	E-6	Sec SGT	11B3Y
2	E-3	Rdo Tel Op	11B1Y

PFDR TM

6	E-6	Tm Ldr	11B3Y
6	E-5	Asst Tm Ldr	11B2Y
12	E-4	Sr Pfdr	11B1Y
12	E-3	Pfdr	11B1Y

ARMY AVN ELM

1	CPT	Op Off	15A00
2	LT	Flt Op Off	15A00
1	E-8	Op SGT	71P50
1	E-4	Flt Op SP	71P10
1	E-4	Clk-Typist	71B10
2	E-3	Flt Op SP	71P10

GP COMM PLT HQ

1	LT	Plt Ldr	25A72
1	E-8	Comm Ch	31G50
1	E-5	Sr Avionics Mech	35K20
1	E-4	Avionics Mech	35K10

*Augmentation

PERSONNEL

RATT SEC

1	E-6	Ch RATT Op	05F30
4	E-5	RATT Tech	05F20
1	E-4	C-E Mech	31B10
1	E-5	Sr Fld C-E Equip Mech	52B20
8	E-4	RATT Op	05F10
1	E-4	Pwr Genr Op/Mech	52B10
1	E-4	Tt Rpmn	31J10

COMM CEN-WIRE SEC

1	E-6	Sec Ch	31G30
1	E-5	Wire Tm Ch	36K20
5	E-4	Telecom Cen SP	72E10
1	E-4	Sr Fld Swbd Op	36K10
1	E-4	Sr Tac Wire Op SP	36K10
1	E-3	Fld Swbd Op	36K10
3	E-3	Tac Wire Op SP	36K10

ATC PLT HQ

1	CPT	Plt Ldr	15A00
1	E-8	ATC Fac Ch	93L50
1	E-7	Apch Con Ch	93J40
2	E-4	Flt Op SP	71P10
1	E-4	Cartog Dftmn	81C10
2	E-3	Flt Op SP	71P10

FLT COORD CEN

3	LT	Flt Op Off	15A00
3	E-6	Apch Con Supv	93J30
2	E-5	Apch Con SP	93J20
2	E-4	GCA SP	93J10
1	E-4	GP Pwr Genr Op/Mech	52B10
1	E-5	RATT Tech	05F20
2	E-4	RATT Op	05F10
2	E-3	GCA SP	93J10

AFLD CON TM (VFR)

5	LT	Afld Con Off	15A00
5	E-6	ATC Tower Supv	93H30
6	E-5	ATC Tower Op	93H20
5	E-4	GP Pwr Genr Op/Mech	52B10
7	E-4	ATC Tower Op	93H10
7	E-3	ATC Tower Op	93H10

AFLD CON TM (IFR)

5	E-6	Apch Con Supv	93J30
5	E-5	GCA Equip Rpmn	26B20
6	E-5	Apch Con SP	93J20
7	E-4	GCA SP	93J10
5	E-4	GP Pwr Genr Op/Mech	52B10
7	E-3	GCA SP	93J10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

HQ & HQCO, AVN GP, AMBL (AIR ASLT) DIV
(TOE 7-201H)

Genr: 30 kW	1
Rifle: 5.56mm	235
Genr: 10kW, AC	5
Revolver: cal .38	30
Genr: 0.5 kW, AC	5
Mg, 7.62mm flex w/mts	5
Genr: 1.5 kW, AC	22

Lchr, gren: 40mm	6
Genr: 3 kW, AC & DC	6
Rdo set: AN/PRC-77	12
Genr: 5 kW, AC	1
Rdo set: AN/VRC-46	2
Night vision sight, ind wpns:	
PVS-2	6
Rdo set: AN/VRC-47	7
Pwr sup: PP-2953/U, 4763/GRC & VEH Z-ACD	14

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

Rdo set: AN/GRA-39	6	Ldg con cen: AN/TSQ-71	5
Flt coord cen ATC: AN/TSC-61A	1	Trk, util, ¼-ton, 4x4	16
ATC: TSEC/KY-38	4	Tlr, cgo: ¼-ton	1
Rdo set, beacon: AN/TRN-30	22	Trk, cgo: ¾-ton, 4x4	5
RATT: VSC-2	4	Tlr, cgo: ¾-ton	4
Rdo set: AN/GRC-160	1	Tlr, cgo: 1½-ton	8
Tt: UGC-74 & 75	3	Trk, cgo: 2½-ton, 6x6	8
Acft con cen: AN/TSQ-70	5	Tlr, tk: water, 400-gal, 1½-ton	1
Tml, tg-tel: TCC-29	1		

FM 1-15

GENERAL SUPPORT AVIATION COMPANY, AVIATION GROUP,
AIRMOBILE (AIR ASSAULT) DIVISION (TOE 7-202H)

COMPOSITION

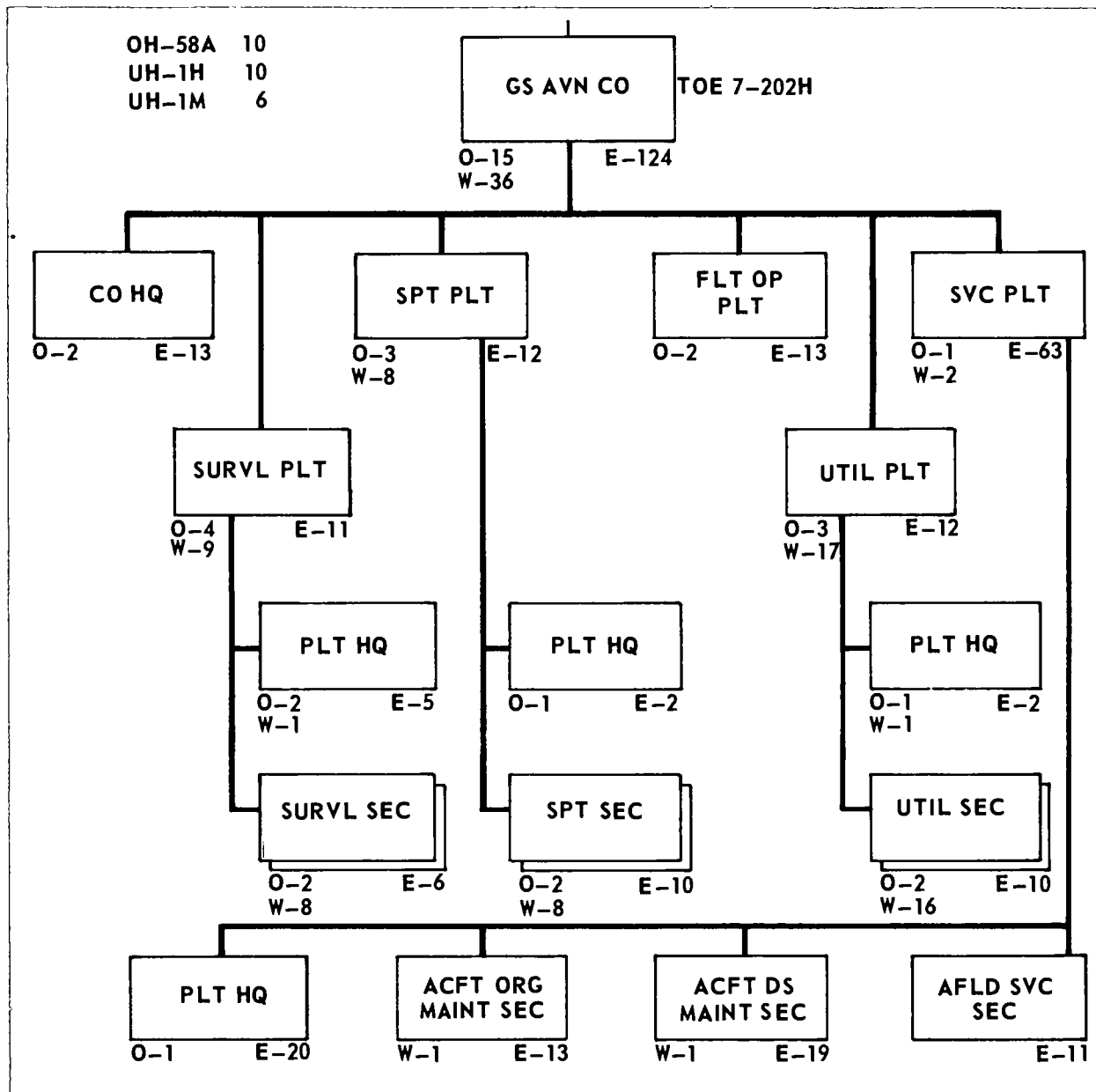


Figure 5-8. General Support Aviation Company, Aviation Group, Airmobile (Air Assault) Division.

MISSION

The unit's mission is to provide aviation support for the division headquarters, aviation group headquarters, support command, and other units without organic aircraft; and to furnish surveillance, acquire combat intelligence, and target information for the airmobile division.

ASSIGNMENT

One general support aviation company is organic to the aviation group of the airmobile division.

CAPABILITIES

- Provides aerial reconnaissance and surveillance of enemy areas by visual and limited electronic means for the purpose of locating, verifying, and evaluating targets; conducting terrain study; and providing fire adjustment.
- Provides 24-hour operations in support of the division.
- Provides aircraft for aerial command post, control, liaison, reconnaissance, and radio retransmission for the division.
- Provides aircraft as needed to supplement aeromedical evacuation missions.
- Performs organizational maintenance on organic equipment.
- Performs aviation unit maintenance (AVUM), excluding avionics and armament, on organic aircraft.
- Engages in effective defense of its area.

MOBILITY

- On a tactical move, this unit is 90 percent mobile in its organic aircraft and vehicles.
- This company is 100 percent air transportable by division aircraft.
- It is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The company operates from two locations within the division base area. The main elements, to include the company headquarters and the surveillance, support, and service platoons, are employed in general support of the division and operate from the division main heliport. Those helicopters from the utility platoon assigned to support the division commander and his staff operate from the division base heliport. These helicopters are retained at the division headquarters but are maintained from the company's area. When the division operates a forward DTOC, the company establishes and operates a supporting heliport with a 24-hour capability. The observation aircraft of the support platoon are employed on a mission basis to furnish aviation support for those units of the division without organic aircraft. The company commander coordinates with the aviation group commander and his staff in developing plans for the employment of the company.

PERSONNEL

GEN SPT AVN CO, AVN GP, AMBL (AIR ASLT) DIV (TOE 7-202H)

CO HQ

1	MAJ	Co Cdr	15A11
1	CPT	XO	15A11
1	E-8	1SG	67Z5M
1	E-7	Food Svc SGT	94B40
1	E-6	Sup SGT	76Y30
1	E-6	First Cook	94B30
1	E-5	Unit Clk	75B20
1	E-5	Cook	94B20
1	E-4	Armr	76Y10
2	E-4	Cook	94B10
1	E-4	PLL Clk	76D10
1	E-4	Lt Veh Dvr	67N10
1	E-3	Gen Supmn	76Y10
1	E-3	Cook	94B10

SURVL PLT

1	CPT	Plt Ldr	15A11
1	LT	Aerial Survl Off	15A35
1	WO	RW Inst Exam	100B6

SURVL PLT (Cont)

1	E-7	Plt SGT	67Z40
1	E-5	Intel Anal	96B20
1	E-3	Clk	71B10
1	E-4	Lt Veh Dvr	67N10
1	E-4	Intel Anal	96B10

SURVL SEC

2	LT	Sec Ldr	15A11
7	WO	Pilot, UH-1	100B0
1	WO	RW IP	100BC
6	E-5	CRC, UH-1	67N2F

SPT PLT HQ

1	CPT	Plt Ldr	15A11
1	E-7	Plt SGT	67V40
1	E-4	Veh Dvr	67V10

SPT SEC

2	LT	Sec Ldr	15A11
7	WO	Pilot, OH-58	100G0
1	WO	RW IP	100GC
10	E-5	CRC, OH-58	67V20

PERSONNEL**FLT OP PLT**

1	CPT	Op Off	15A11
1	LT	Flt Op Off	15A11
1	E-7	Flt Op Ch	71P40
1	E-5	RATT Tech	05F20
1	E-6	Comm Ch	31G30
1	E-5	Sr Fld C-E Equip Mech	31B20
1	E-4	Fld C-E Equip Mech	31B10
1	E-4	Flt Op SP	71P10
2	E-4	RATT Op	05F10
1	E-4	Rept Clk	71B10
1	E-4	Sr Fld Swbd Op	36K10
2	E-3	Flt Op SP	71P10
1	E-3	Fld Swbd Op	36K10

UTIL PLT

1	CPT	Plt Ldr	15A11
1	WO	RW Flt Safety Tech	100BB
1	E-7	Plt SGT	67Z40
1	E-4	Lt Veh Dvr	67N10

UTIL SEC

2	LT	Sec Ldr	15A11
15	WO	Pilot, UH-1	100B0
1	WO	RW IP	100BC
10	E-5	CRC, UH-1	67N2F

SVC PLT HQ

1	CPT	Plt Ldr	71A00
1	E-7	Plt SGT	67Z40
1	E-6	Mtr SGT	63B30
2	E-5	Sr Acft Armt Subsys	
		Mech	68M20
1	E-5	Sr Avionics Mech	35K20
1	E-5	WVEH Mech	63B20
2	E-4	Acft Armt Subsys	
		Mech	68M10
2	E-4	Avionics Mech	35K10

SVC PLT HQ (Cont)

1	E-4	Mat Supmn	76D10
3	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	WVEH Mech	63B10
2	E-3	Pwr Genr Equip Helper	52B10
2	E-3	WVEH Mech	63B10
1	E-3	Mat Supmn	76D10

ACFT ORG MAINT SEC

1	WO	Hel Rep Tech	100BR
2	E-6	UH-1 Tech Insp	67N3F
1	E-6	Maint Supv	67N30
1	E-6	OH-58 Tech Insp	67V3F
4	E-5	Sr UH-1 Rpmn	67N20
4	E-4	UH-1 Rpmn	67N10
1	E-3	Acft Maint Helper	67A10

ACFT DS MAINT SEC

1	WO	Acft Rep Tech	103A0
1	E-7	Acft Maint Supv	67Z40
1	E-6	Hel Tech Insp	67W3F
1	E-5	Sr Acft Sgl Turb Eng	
		Rpmn	68B20
1	E-5	Sr AFRM Rpmn	68G20
1	E-5	Sr OH-58 Rpmn	67V20
2	E-5	Sr UH-1 Rpmn	67N20
1	E-4	Mat Supmn	76D10
1	E-4	Acft Elec	68F10
1	E-4	Acft Hyd Rpmn	68H10
1	E-4	Acft PWTN Rpmn	68D10
1	E-4	Acft Rotor Rpmn	68G10
1	E-4	Acft Sgl Turb Eng Rpmn	68B10
2	E-4	AFRM Rpmn	68G10
2	E-4	UH-1 Rpmn	67N10
1	E-4	OH-58 Rpmn	67V10
1	E-3	UH-1 Maint Helper	67N10

PERSONNEL

AFLD SVC SEC

1	E-5	Sec Ch	67N20
2	E-5	Acft Fuel Hdlr	76W20

2	E-4	Ammo Stor Asst	55B10
2	E-3	Ammo Stor Asst	55B10
2	E-3	Acft Fuel Hdlr	76W10
2	E-4	Acft Fuel Hdlr	76W10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

 GEN SPT, AVN CO, AVN GP, AMBL (AIR ASLT) DIV
(TOE 7-202H)

Comd console: ASC-15	4
Hel, obsn: OH-58	10
Crane, whl-mtd: 3-ton	1
Hel, util: UH-1H	10
Genr: 0.5 kW, AC	1
Hel, util: UH-1M	6
Genr: 1.5 kW, AC	13
*Armt subsys, M-22	16
Genr: 3 kW, AC & DC	3
Revolver: cal .38	70
Genr: 5 kW, AC	8
Rifle: 5.56mm	105
Genr: 7.5 kW, DC	3
Lchr, gren: 40mm	6
Intg, cmpt: KIR-1A/TSEC	2
Mg, 7.62mm: lt flex w/mts	4
Equip, tt scty: TSEC/KY-7	2
Trk, util: ¼-ton, 4x4	3
Mg, 7.62mm: acft lt, door-mtd	32
Tlr, cgo: ¼-ton	3
Trk, FLFT: 3,000-lb	1
Trk, cgo: ¾-ton, 4x4	6
Pwr sup: PP-2953/U, 4763/GRC, Z-ACD	8

Tlr, cgo: ¾-ton	6
Trk, cgo: 2½-ton, 6x6	7
Tml, tg-tel: TCC-29	4
Tlr, cgo: 1½-ton	6
Tlr, tk: water, 400-gal	1
RATT set: VSC-2	1
Rdo set: AN/PRC-41	2
Rdo set: AN/PRC-77	10
Rdo set: AN/PRC-90	52
Rdo set: AN/VRC-24	2
Rdo set: AN/VRC-46	3
Rdo set: AN/VRC-47	1
Rdo set: AN/VRC-64	5
Rdo set: AN/GRA-39, GRA-6	6
Equip, speech scty: TSEC/KY-28	38
Equip, speech scty: TSEC/KY-38	3
Equip, rfl: fwd area	3
Goggles, night vision: AN/PVS-5	48
*Sys, night vision: AN/AAS-29, pass, ir	6

*These items are issued for installation on the UH-1M aircraft of the surveillance platoon.

ASSAULT HELICOPTER BATTALION, AVIATION GROUP, AIRMObILE (AIR ASSAULT) DIVISION (TOE 7-255H)

COMPOSITION

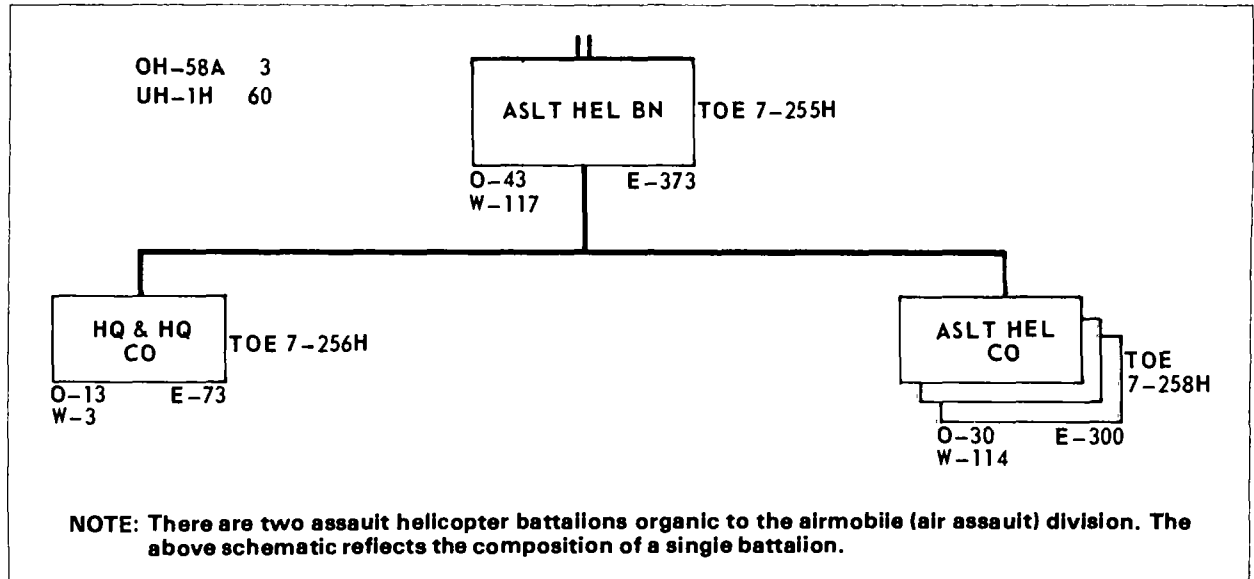


Figure 5-9. Assault Helicopter Battalion, Airmobile (Air Assault) Division.

MISSION

The battalion's mission is to provide tactical mobility for the combat troops, supplies, and equipment of the division during the conduct of combat operations.

ASSIGNMENT

There are two assault helicopter battalions organic to the aviation group of the airmobile division.

CAPABILITIES

- Provides continuous operation in support of the division in the forward areas of the combat zone.

Note. This capability is somewhat reduced during periods of adverse weather.

- Provides—in a single lift—airlift for the assault elements of one infantry battalion.
- Augments aeromedical evacuation from the immediate battlefield.
- Provides aerial overwatch for airmobile operations within the combat zone.
- This organization performs organizational maintenance on organic equipment and full AVUM on organic aircraft, less avionics armament.

LIMITATION

- The battalion must rely on other division units to assist in the defense of its area.

MOBILITY

- For the mobility of the battalion, refer to the discussion of its subordinate units.

EMPLOYMENT

Assault helicopter battalions are never held in reserve. Normally, one battalion is placed in direct support of each committed infantry brigade. By allocation of more assault helicopter companies, a battalion can be structured to fit specific missions; for large-scale operations, one battalion can be used to reinforce another battalion. A battalion may also be augmented by other type units—such as pathfinder detachments—to provide it a wider range of operation.

HEADQUARTERS AND HEADQUARTERS COMPANY, ASSAULT HELICOPTER BATTALION, AIRMOBILE (AIR ASSAULT) DIVISION (TOE 7-256H)

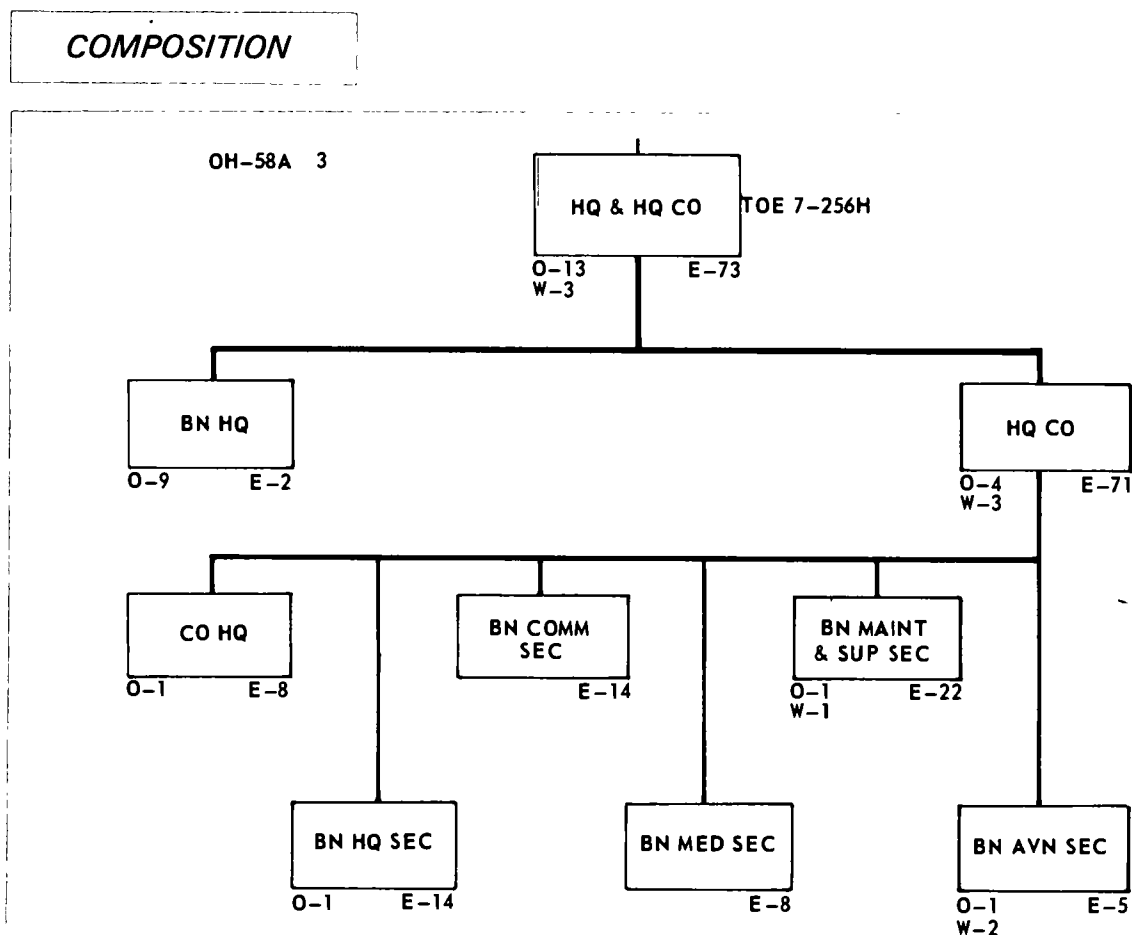


Figure 5-10. Headquarters and Headquarters Company, Assault Helicopter Battalion, Airmobile (Air Assault) Division.

MISSION

The mission of this company is to furnish command, control, staff planning, and supervision for the assault helicopter battalion.

ASSIGNMENT

One HHC is organic to the assault helicopter battalion.

CAPABILITIES

- Provides command, control, staff planning, and supervision of operations of organic and attached units of the assault helicopter battalion.
- Provides supply and maintenance supervision for organic and attached units.
- Provides communications support to the headquarters elements of the battalion.
- Provides unit medical support to the battalion.
- Performs organizational maintenance on organic equipment.

LIMITATIONS

- Depends on adjacent and subordinate units for part of the unit defense.
- Depends on the attack helicopter company for backup aviation unit maintenance and 100 percent aviation intermediate maintenance.

MOBILITY

- This unit is 80 percent mobile in its organic vehicles and aircraft.
- This unit is 100 percent air transportable in divisional aircraft.
- This unit is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The battalion headquarters is normally employed as a single unit, but its organization is sufficiently flexible to allow the staff to be split for operation at more than one location. It is staffed and equipped to function as a tactical command and control headquarters. Aircraft support for command and control is provided by the company headquarters.

The company headquarters is located near the battalion command post (CP). It is a housekeeping element and normally operates from one location, but can operate from multiple locations as the tactical situation dictates. In displacements, the headquarters company commander is responsible for locating and securing the elements of the battalion CP and the company elements in the new position. Organizational maintenance of ground vehicles and communications equipment for the headquarters is performed by personnel within the company.

PERSONNEL

HQ & HQ CO, ASLT HEL BN, AMBL (AIR ASLT) DIV
(TOE 7-256H)

BN HQ

1	LTC	Bn Cdr	15A11
1	MAJ	XO	15A11
1	MAJ	S3	15A11
1	CPT	S1	15A41
1	CPT	S2	15A35
1	CPT	S4	15A92
1	CPT	Avn Safety Off	15A00
*1	CPT	LO	15A11
1	CPT	C-E Stf Off	15A25
1	CPT	Flt Surg	61N00
1	E-9	CSM	00Z50
1	E-7	Sr Army CARCSLR	00E40

CO HQ

1	CPT	Co Cdr	11X00
1	E-8	1SG	67Z5M
1	E-7	Food Svc SGT	94B40
1	E-6	Sup SGT	76Y30
1	E-5	First Cook	94B20
1	E-5	Unit Clk	75B20
2	E-4	Cook	94B10
1	E-4	Armr	76Y10
*2	E-3	Cook	94B10
1	E-4	Veh Dvr	71B10

BN HQ SEC

1	CPT	Op Off	15A11
1	E-8	Ch Inst SGT	96B50
1	E-7	Flt Op Ch	71P40
1	E-8	Op SGT	71P50
1	E-7	PSNCO	75Z40
1	E-6	Cml Stf NCO	54E30
1	E-6	Legal Clk	71D30
1	E-4	Flt Op SP	71P10

*Augmentation

BN HQ SEC (cont)

1	E-4	Clk-Typist	71B10
1	E-4	Clk-Typist	71B10
1	E-4	Dftmn	81A10
*1	E-5	Sr Info SP	71Q20
1	E-4	Flt Op SP	71P10
*1	E-5	Mail Distr SP	71L20
1	E-4	Sr Rdo Op	05E10
1	E-3	Voice Rdo Op	05E10
1	E-4	Veh Dvr	71B10

BN COMM SEC

1	E-7	Comm Ch	31G40
2	E-5	RATT Tm Ch	05F20
1	E-4	Fld C-E Equip Mech	31B10
4	E-4	RATT Op	05F10
1	E-4	Sr Fld Swbd Op	36K10
1	E-4	Sr Msg Clk	36K10
1	E-3	Msg Clk	36K10
1	E-3	Fld Swbd Op	36K10
2	E-3	Tac Wire Op SP	36K10

BN MED SEC

1	E-6	Sec SGT	91B30
1	E-6	Sr Clin SP	91L30
1	E-5	Clin SP	91C20
1	E-5	Med Aidman	91B20
1	E-4	Veh Dvr	91B10
2	E-4	Med Aidman	91B10
1	E-3	Med Aidman	91B10

BN MAINT-SUP SEC

1	CPT	Avn Maint Off	71A00
1	WO	Auto Maint Tech	631A0
1	E-7	Acft Maint SGT	67Z50
1	E-7	Acft Armt Subsys Supv	68K40
1	E-7	Bn Sup SGT	76Y40

PERSONNEL**BN MAINT-SUP SEC (cont)**

2	E-7	Ch Hel Tech Insp	67W4F
1	E-6	Mtr Maint SGT	63B30
1	E-5	Gen Supmn	76Y20
1	E-5	Acft Fuel Hdlg SP	76W20
2	E-4	Acft Fuel Hdlr	76W10
*1	E-4	Equip Maint Clk	71D10
1	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	Rept Clk	71B10
2	E-4	Gen Supmn	76H10
1	E-4	WVEH Mech	63B10
1	E-4	PLL Clk	76D10
1	E-3	Pwr Genr Equip Helper	52B10

BN MAINT-SUP SEC (cont)

2	E-3	Gen Supmn	76Y10
2	E-3	WVEH Mech	63B10
1	E-3	Acft Fuel Hdlr	76W10

BN AVN SEC

1	CPT	Sec Ldr	15A00
1	WO	Pilot, OH-58	100G0
1	WO	RW IP	100GC
3	E-5	OH-58 CRC	67V20
1	E-4	Veh Dvr	67V10
1	E-4	Mat Supmn	76D10

*Augmentation

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**HQ & HQ CO, ASLT HEL BN, AMBL (AIR ASLT) DIV
(TOE 7-256H)**

Genr: 1.5 kW, AC	3
Hel, obsn: OH-58A	3
Genr: 3 kW, AC & DC	4
Rifle: 5.56mm	73
Genr: 5 kW	1
Revolver: cal .38	17
Genr: 7.5 kW, DC	1
Mg, 7.62mm: flex w/mts	2
Equip, rfl: fwd area : FARE sys	1
Lchr, gren: 40mm	6
Pwr sup: PP-2953/U, 4763/GRC, Z-ACD	11
Rdo set: AN/VRC-24	1
Rdo set: AN/VRC-46	4
Rdo set: AN/VRC-47	3

Rdo set: AN/VRC-64	1
Rdo set: AN/PRC-90	7
Rdo set: AN/GRC-160	1
Rdo set con gp: AN/GRA-39	4
Rcvr-trans con gp: AN/GRA-6	2
Equip, speech scty (abn): TSEC/KY-28, KY-38	7
Equip, tt scty: TSEC/KW-7	5
Trk, util: ¼-ton, 4x4	8
Tlr cgo: ¼-ton	6
Tlr, cgo: ¾-ton	5
Trk, amb: ¼-ton, 4x4	1
Trk, cgo: 2½-ton, 6x6	3
Trk, cgo: 5-ton, 6x6	2
Transponder, Cmpt: KIT-1A/TSEC	3
Tml, tg-tel: TCC-29	1
Tlr, tk: water, 400-gal	1
Tt set: USC-74	1

ASSAULT HELICOPTER COMPANY, ASSAULT HELICOPTER BATTALION, AIRMOBILE (AIR ASSAULT) DIVISION (TOE 7-258H)

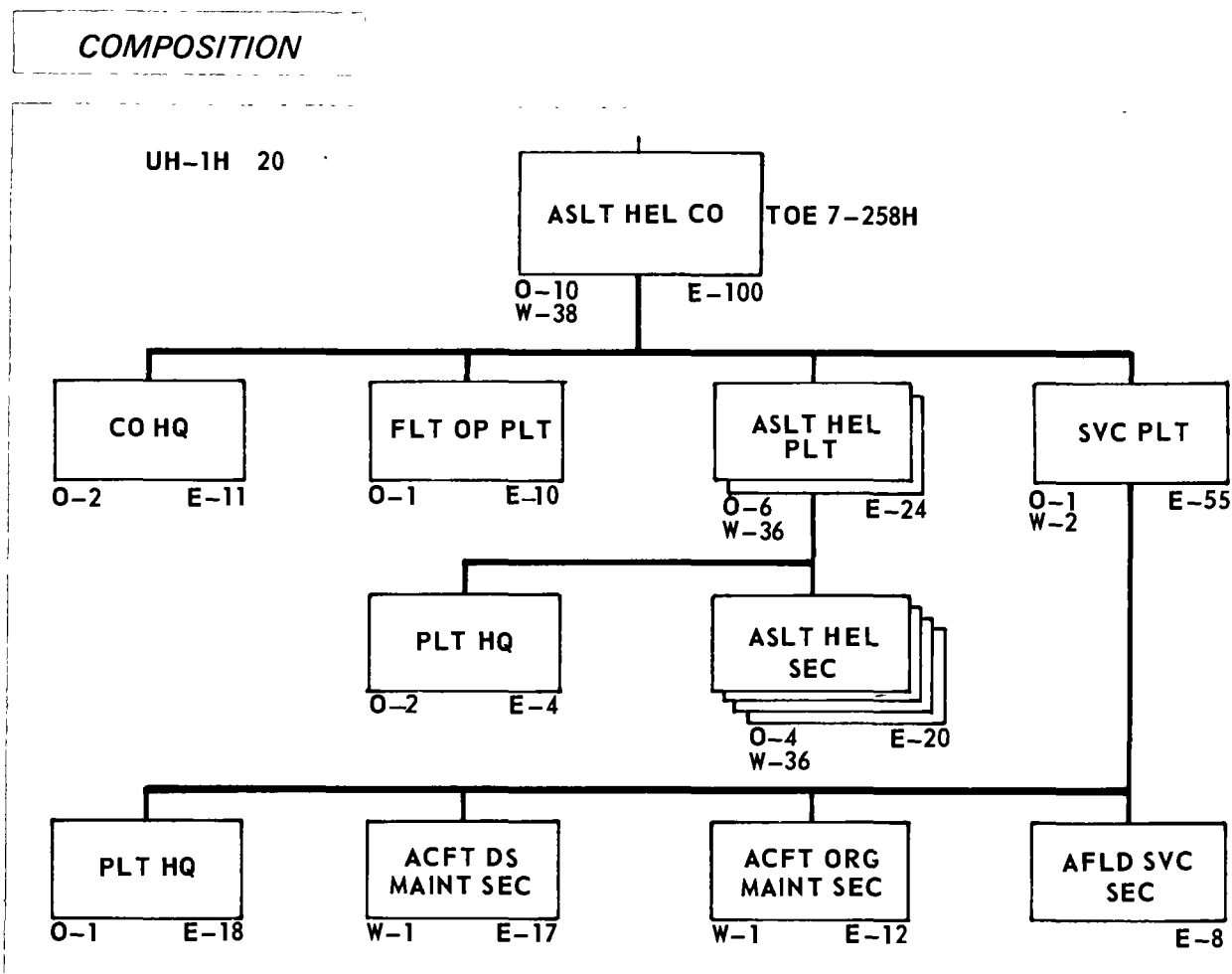


Figure 5-11. Assault Helicopter Company, Assault Helicopter Battalion, Airmobile (Air Assault) Division.

MISSION

The mission of this company is to provide tactical mobility for combat troops, supplies, and equipment of the division during the conduct of airmobile operations.

ASSIGNMENT

There are three assault helicopter companies organic to the assault helicopter battalion.

CAPABILITIES

- Provides continuous operations in support of the airmobile division in the combat zone.
- In a single lift, provides airlift for one rifle company.
- Augments aeromedical evacuation from the immediate battlefield.
- Provides rapid movement of supplies and equipment within the combat zone.
- Provides aeromedical evacuation from the immediate battlefield.
- Performs organizational maintenance on organic equipment.
- Performs full AVUM functions on organic aircraft, excluding avionics and armament.

LIMITATION

- This company requires assistance from adjacent units for defense of its area.

MOBILITY

- On a tactical move, this unit is 80 percent mobile in its organic vehicles and aircraft.
- It is 100 percent air transportable in divisional aircraft.
- It is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The assault helicopter company is organized and equipped to provide tactical mobility for the maneuvering infantry troops on the battlefield. The company normally is employed in support of the division in the forward areas of the combat zone and usually is placed in direct support or under operational control of the unit to be supported.

Operations in the high threat environment drastically alter the methods of employment of the assault helicopter. Even though helicopters are no longer free to move about the battlefield relatively unopposed, their use in the rapid displacement of combat power may be a decisive factor in future battles.

Air assault forces are ideally suited for blocking enemy movement and the assault helicopter units will provide the mobility to emplace these blocking forces of various sizes rapidly, over great distances, and to terrain which is inaccessible to ground forces.

Assault helicopter units provide the mobility with which the commander will place major ground combat power deep into the enemy rear areas to disrupt and destroy that enemy's ability to fight. These operations are not considered routine; however, conditions must be right, and planning must be meticulous.

The assault helicopter companies resupply the ground forces with the resources necessary to conduct sustained operations. Although these missions may not be glamorous, they are essential to insure continuity of effective operations.

PERSONNEL

ASLT HEL CO, ASLT HEL BN, AMBL (AIR ASLT) DIV (TOE 7-258H)				SVC PLT HQ			
CO HQ				1	CPT	Plt Cdr	71A00
1	MAJ	Co Cdr	15A11	1	E-7	Plt SGT	67Z40
1	CPT	XO	15A11	1	E-6	Mtr SGT	63B30
1	E-8	1SG	67Z5M	3	E-6	UH-1 Tech Insp	67N3F
1	E-7	Food Svc SGT	94B40	1	E-5	Sr Avionics Mech	35K20
1	E-6	Sup SGT	76Y30	1	E-4	Acft Armt Subsys Mech	68M10
1	E-5	First Cook	94B20	1	E-4	Avionics Mech	35K10
1	E-5	Unit Clk	75B20	1	E-5	Mat Supmn	76D20
1	E-5	Cook	95B20	1	E-4	Mat Supmn	76D10
1	E-4	Armr	76Y10	2	E-4	GP Pwr Genr Op/Mech	52B10
2	E-4	Cook	94B10	1	E-4	WVEH Mech	63B10
1	E-3	Gen Supmn	76Y10	1	E-3	Pwr Genr Equip Helper	52B10
1	E-4	Lt Veh Dvr	67Y10	2	E-3	WVEH Mech	63B10
FLT OP PLT				1	E-4	PLL Clk	76D10
1	CPT	Op Off	15A11	1	E-3	Mat Supmn	76D10
1	E-5	Flt Op Ch	71P20	ACFT DS MAINT SEC			
1	E-6	Comm Ch	31G30	1	WO	Avn Tech	103A0
2	E-4	Flt Op SP	71P10	1	E-7	Maint Supv	67Z40
1	E-4	Fld C-E Equip Mech	31B10	1	E-4	Acft Elec	68F10
2	E-3	Flt Op SP	71P10	1	E-5	Sr Acft Sgl Turb Eng Rpmn	68B20
1	E-4	Sr Fld Swbd Op	36K10	1	E-5	Sr AFRM Rpmn	68G20
1	E-3	Fld Swbd Op	36K10	2	E-5	Sr UH-1 Rpmn	67N20
1	E-3	Voice Rdo Op	05E10	1	E-4	Acft Hyd Rpmn	68H10
ASLT HEL PLT HQ				1	E-4	Acft PWTN Rpmn	68D10
2	CPT	Plt Ldr	15A11	1	E-4	Acft Rotor Rpmn	68G10
2	E-7	Plt SGT	67Z40	1	E-4	Acft Sgl Turb Eng Rpmn	68B10
1	E-4	Veh Dvr	67N10	1	E-4	AFRM Rpmn	68G10
1	E-3	Lt Veh Dvr	67N10	2	E-4	UH-1 Rpmn	67N10
ASLT HEL SEC				1	E-3	UH-1 Maint Helper	67N10
4	LT	Sec Ldr	15A11	1	E-4	Crane Op	62F10
33	WO	Pilot, UH-1	100B0	1	E-4	Mat Supmn	76D10
2	WO	RW Inst Exam	100B6	1	E-6	Hel Tech Insp	67W3F
1	WO	RW IP	100BC				
4	E-6	Sec SGT	67N3F				
16	E-5	UH-1 CRC	67N2F				

PERSONNEL**ACFT ORG MAINT SEC**

1	WO	Acft Rep Tech	100BR
1	E-6	Maint Supvr	67N30
4	E-5	Sr UH-1 Rpmn	67N20
5	E-4	UH-1 Rpmn	67N10
2	E-3	UH-1 Maint Helper	67N10

AFLD SVC SEC

1	E-6	Sec Ch	67N30
2	E-5	Acft Hdlg SP	76W20
2	E-4	Acft Fuel Hdlr	76W10
2	E-3	Acft Fuel Hdlr	76W10
1	E-3	Acft Svcmn	76Y10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**ASLT HEL CO, ASLT HEL BN, AMBL (AIR ASLT) DIV
(TOE 7-258H)**

Crane, whl-mtd: 3-ton	1
Hel, util: UH-1H	20
Equip, rfl: fwd area	3
Subsys armt hel: 7.62mm mg	20
Genr: 0.5 kW, AC	4
Mg, 7.62mm: acft lt, door-mtd	40
Genr: 1.5 kW, AC	7
Rifle: 5.56mm	77
Genr: 3 kW, DC	2
Revolver: cal .38	71
Genr: 5 kW, AC & DC	7
Mg, 7.62mm: flex w/mts	4
Genr: 7.5 kW, DC	3
Lchr, gren: 40mm	6
Imtg, cmpt: KIR-1A/TSEC	2
Rdo set: AN/VRC-24	1
Goggles, night vision: PVS-5	60
Rdo set: AN/VRC-46	3

Pwr sup: PP-2953/U, VEH Z-ACD	6
Rdo set: AN/VRC-47	1
Rdo set: AN/VRC-64	1
Rdo set: AN/PRC-77	2
Rdo set: AN/PRC-90	40
Rdo set: AN/GRC-160	2
Rdo set con gp: AN/GRA-39	3
Equip, speech scty, (abn): TSEC/KY-28	20
Equip, speech scty: TSEC/KY-38	3
Transponder, cmpt: KIT-1A/TSEC	20
Trk, util: ¼-ton, 4x4	2
Tlr, cgo: ¼-ton	2
Trk, cgo: ¾-ton, 4x4	9
Tlr, cgo: ¾-ton	8
Trk, cgo: 2½-ton, 6x6	4
Tlr, cgo: 1½-ton	3
Trk, plat util: ½-ton, 4x4	1
Trk, FLFT	1
Tlr, tk: water, 400-gal	1

ASSAULT SUPPORT HELICOPTER BATTALION, AVIATION GROUP, AIRMOBILE (AIR ASSAULT) DIVISION (TOE 1-165H)

The assault support helicopter battalion has assumed increased significance in the airmobile division because of the tremendous logistical requirements of the ground and aviation forces. The bulk supplies the unit can rapidly move allow fast and deep operations to be conducted over broad areas which would be difficult without aerial deliveries of these logistics.

COMPOSITION

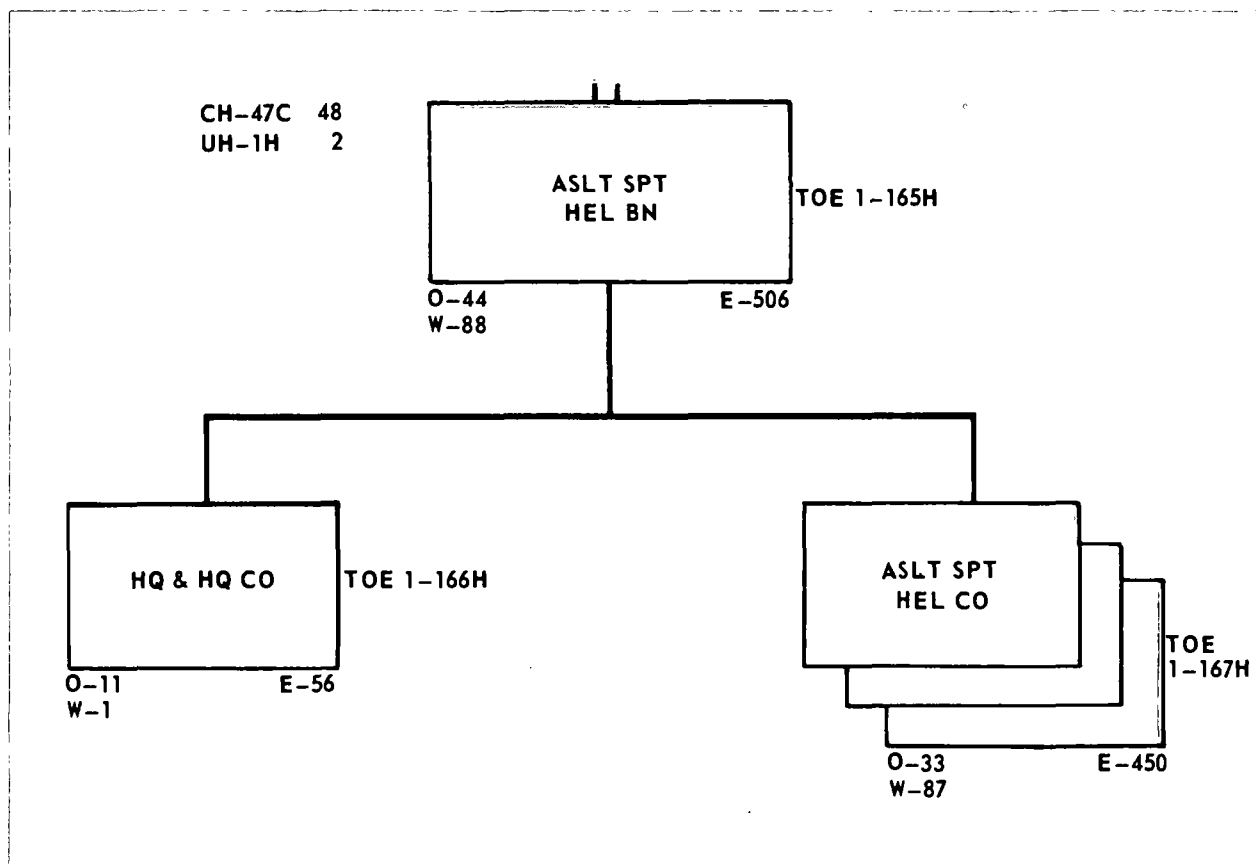


Figure 5-12. Assault Support Helicopter Battalion, Airmobile (Air Assault) Division.

MISSION

The battalion's mission is to provide tactical airmovement of combat troops and materiel in airmobile operations and to provide the primary means of transporting the 105mm howitzers, of the division artillery, throughout the battle area.

ASSIGNMENT

There is one assault support helicopter battalion organic to the aviation group of the airmobile division.

CAPABILITIES

- Provides continuous operations throughout the battle area.

- Provides, in a single lift, the capability to airlift:
 - The assault elements of two infantry battalions, or
 - The combat elements of three 105mm howitzer batteries, or
 - 198 tons of cargo.

- Provides aircraft as required for aeromedical evacuation.

EMPLOYMENT

The battalion habitually operates in general support of the division, and one or more of its subordinate units may be placed in direct support of a brigade. The battalion is employed effectively at night with the aid of pathfinder support illumination to identify the landing zones.

The external cargo capability of the CH-47 permits the aerial delivery of outsized loads which cannot be carried internally. New external suspension and load stabilization equipment being developed will provide this aircraft excellent terrain flight capability with external loads. The assault support helicopter battalion can accomplish its mission day or night and in adverse weather.

HEADQUARTERS AND HEADQUARTERS COMPANY, ASSAULT SUPPORT HELICOPTER BATTALION, AIRMOBILE (AIR ASSAULT) DIVISION (TOE 1-166H)

COMPOSITION

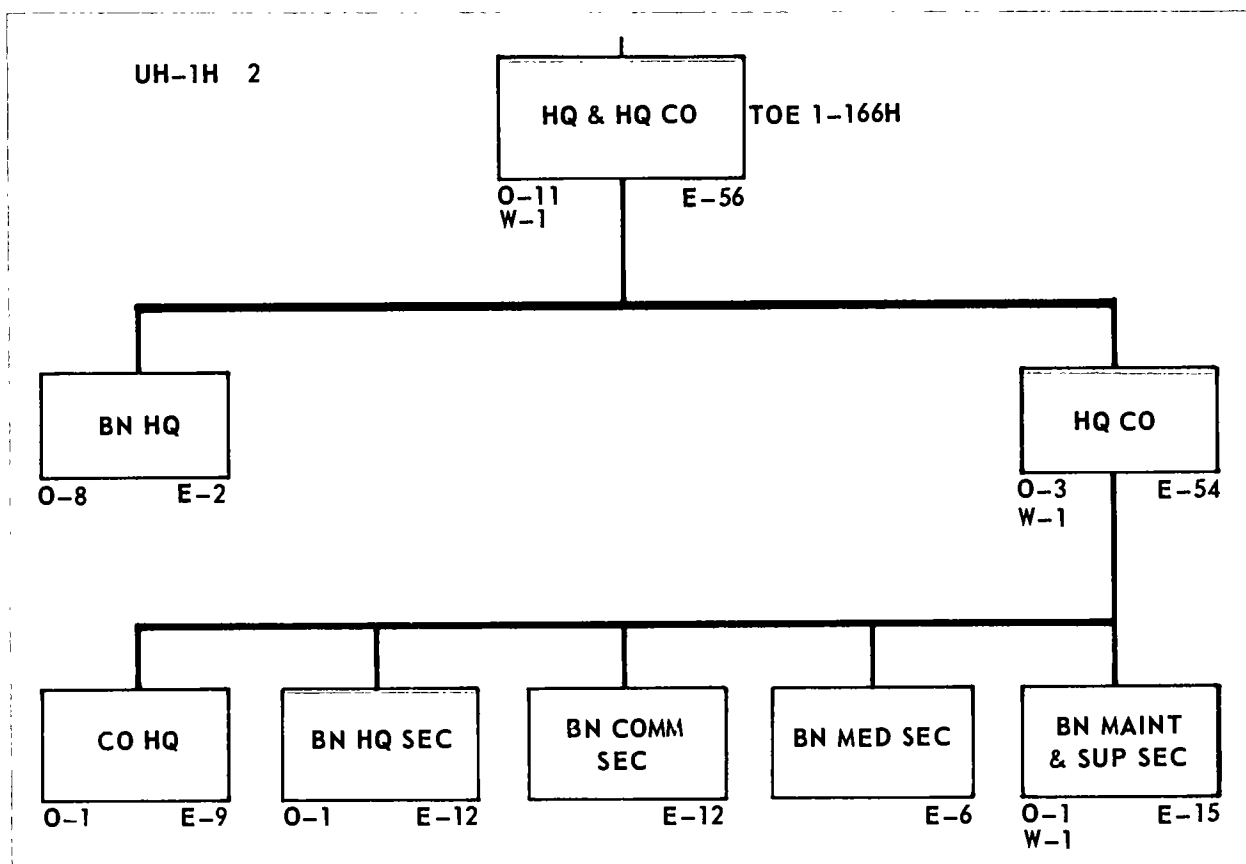


Figure 5-13. Headquarters and Headquarters Company, Assault Support Helicopter Battalion, Airmobile (Air Assault) Division.

MISSION

The unit's mission is to furnish command, control, staff planning, and supervision for the assault helicopter battalion.

ASSIGNMENT

There is one headquarters and headquarters company (HHC) organic to the battalion.

CAPABILITIES

- Commands, controls, performs staff planning, furnishes communications control, and supervises operations for subordinate units of the battalion and attached units.
- Provides personnel to supervise supply, maintenance, medical support, and administration for organic and attached units.
- Provides organizational maintenance on organic equipment.

MOBILITY

- The company is 20 percent mobile in its organic vehicles.
- It is 100 percent air transportable in the battalion's organic aircraft.
- It is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The HHC operates in the same manner as the HHC of the assault helicopter battalion. For a discussion of its functions, see page 142, HHC assault helicopter battalion.

PERSONNEL

HQ & HQ CO, ASLT SPT HEL BN, AMBL (AIR ASLT) DIV (TOE 1-166H)				CO HQ (cont)			
BN HQ				1	E-6	Sup SGT	76Y30
1	LTC	Bn Cdr	15A00	1	E-6	First Cook	94B30
1	MAJ	Bn XO	15A00	1	E-5	Unit Clk	75B20
1	MAJ	S3/S2	15A35	1	E-4	Cook	94B10
1	CPT	Flt Surg	61N00	1	E-4	Armr	76Y10
1	CPT	Avn Safety Off	15A00	1	E-3	Cook	94B10
1	CPT	C-E Stf Off	15A25	1	E-3	Veh Dvr	64C10
1	CPT	S1	15A41	BN HQ SEC			
1	CPT	S4	15A92	1	CPT	Flt Op Off	15A00
1	E-9	CSM	00Z50	1	E-8	Flt Op Ch	71P50
1	E-7	Sr Army CARCSLR	00E40	1	E-8	Intel SGT	96B50
CO HQ				1	E-7	PSNCO	75Z40
1	CPT	Co Cdr	15A00	1	E-6	Legal Clk	71030
1	E-8	1SG	67Z5M	2	E-5	UH-1 CRC	67N2F
1	E-7	Food Svc SGT	94B40	2	E-4	Clk-Typist	71B10
				1	E-4	Gen Dftmn	81A10

PERSONNEL

BN HQ SEC (cont)

1	E-4	Flt Op SP	71P10
1	E-6	Cml Stf NCO	54E30
1	E-3	Flt Op SP	71P10

BN COMM SEC

1	E-7	Comm Ch	31G40
2	E-5	RATT Tm Ch	05F20
1	E-4	Fld C-E Equip Mech	31B10
4	E-4	RATT Op	05F10
1	E-4	Sr Fld Swbd Op	36K10
1	E-4	Sr Msg Clk	36K10
1	E-3	Fld Swbd Op	36K10
1	E-3	Msg Clk	36K10

BN MED SEC

1	E-6	Sec SGT	91B30
1	E-4	Clin SP	91C10
1	E-4	Amb Dvr	91B10
1	E-3	Med Aidman	91B10

BN MED SEC (cont)

1	E-4	Med Aidman	91B10
1	E-5	Med Aidman	91B20

BN MAINT/SUP SEC

1	CPT	Avn Maint Off	71A00
1	WO	Autmv Maint Tech	631A0
1	E-7	Acft Maint SGT	67Z40
1	E-7	Bn Sup SGT	76Y40
2	E-7	Ch Hel Tech Insp	67W4F
1	E-6	Mtr SGT	63B30
1	E-5	Gen Supmn	76Y20
1	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	PLL Clk	76D10
2	E-4	Gen Supmn	76Y10
1	E-4	WVEH Mech	63B10
1	E-4	UH-1 Rpmn	67N10
1	E-3	Pwr Genr Equip Helper	52B10
2	E-3	Gen Supmn	76Y10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

HQ & HQ CO, ASLT SPT HEL BN, AMBL (AIR ASLT) DIV
(TOE 1-166H)

Genr: 1.5 kW, AC	7
Hel, util: UH-1H	2
Genr: 3 kW, AC & DC	3
Rifle: 5.56mm	54
Genr: 5 kW	2
Revolver: cal .38	14
Genr: 7.5 kW, DC	1
Mg, 7.62mm: lt, door-mtd	4
Mg, 7.62mm: lt, flex w/mts	4
Lchr, gren: 40mm	6
Pwr sup: PP-2953/U, 4763/GRC Z-ACD	10
Rdo set: AN/VRC-46	2
Rdo set: AN/VRC-47	2

Rdo set: AN/VRC-64	1
Rdo set: AN/VRC-90	4
Rdo set con gp: AN/GRA-39-6	4
Rcvr-trans con gp: AN/GRA-6	2
RATT set: VSC-2	2
Equip, speech scty, (abn): TSEC/KY-28	2
Equip, Speech scty: TSEC/KY-38	4
Transponder, cmpt: KIR-1A/TSEC	2
Trk, util: ¼-ton, 4x4	6
Tlr, cgo: ¼-ton	3
Trk, cgo: ¾-ton, 4x4	2
Tlr, cgo: ¾-ton	1
Trk, cgo: 2½-ton, 6x6	2
Tlr, cgo: 1½-ton	2
Trk, amb: ¼-ton, 4x4	1
Tlr, tk: water, 400-gal	1
Equip, tt scty: TSEC/KW-7	2

FM 1-15

SUPPORT COMMAND, AIRMOBILE (AIR ASSAULT) DIVISION (DISCOM) (TOE 29-41H)

COMPOSITION

The units highlighted have aviation assets and will be discussed in detail in this chapter. Although the other units of DISCOM affect aviation resources throughout the division in some way, they will not be addressed in this book. For a discussion of these units and their functions, refer to FM 61-100, *The Division*.

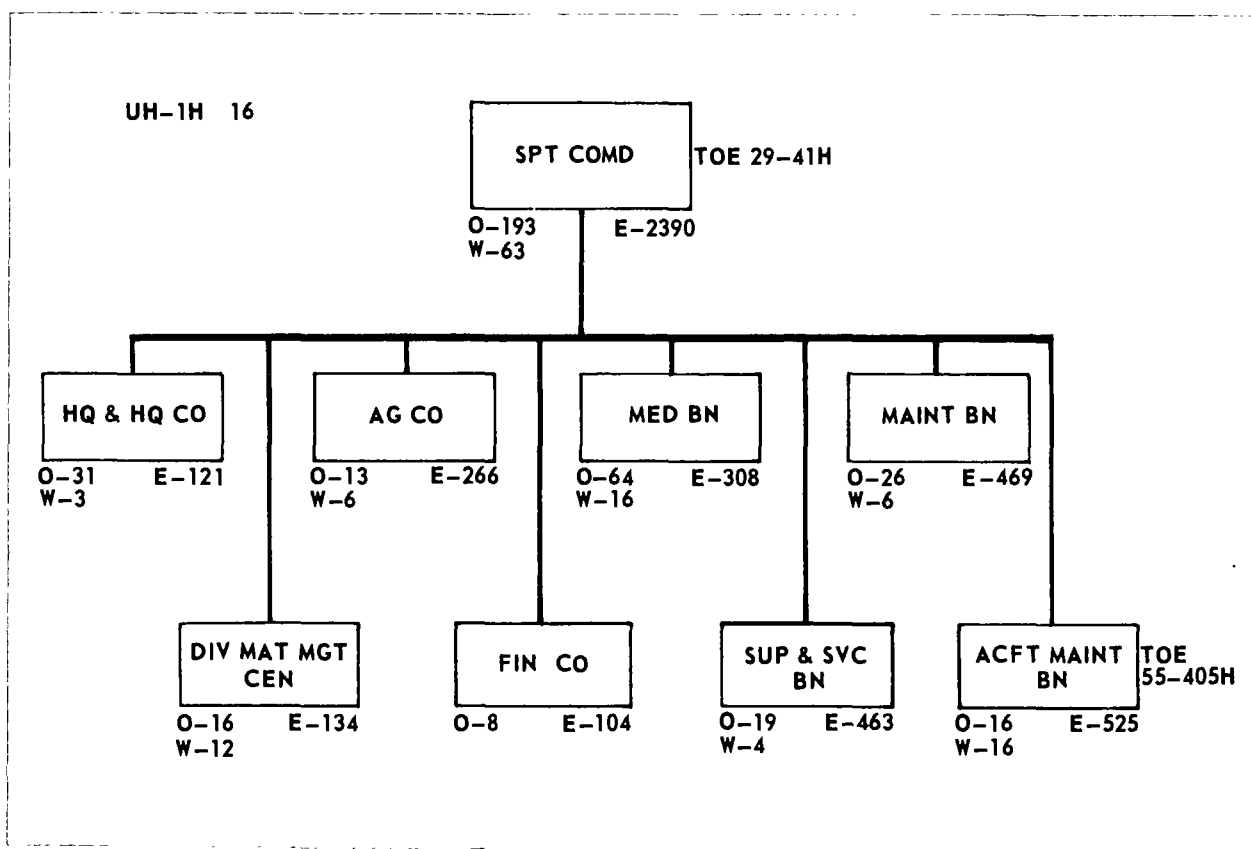


Figure 5-14. Support Command, Airmobile (Air Assault) Division.

MISSION

The DISCOM's mission is to provide division-level combat service support to all organic and attached elements of the division.

CAPABILITIES

The capabilities discussed here will be only those that have a direct impact on Army aviation. For a discussion of the DISCOM's other capabilities, refer to TOE 29-41H.

- Provides direct support maintenance (except medical and COMSEC equipment) for all materiel organic to the division.
- Provides division-level medical support to the division to include air ambulance service.
- Provides division-level logistical support to include all classes of supplies.
- Provides technical advice and assistance in rigging loads for airdrop and helicopter lift.
- Plans and conducts rear area protection activities within its area of responsibility.

FM 1-15

TRANSPORTATION AIRCRAFT MAINTENANCE BATTALION (TOE 55-405H)

COMPOSITION

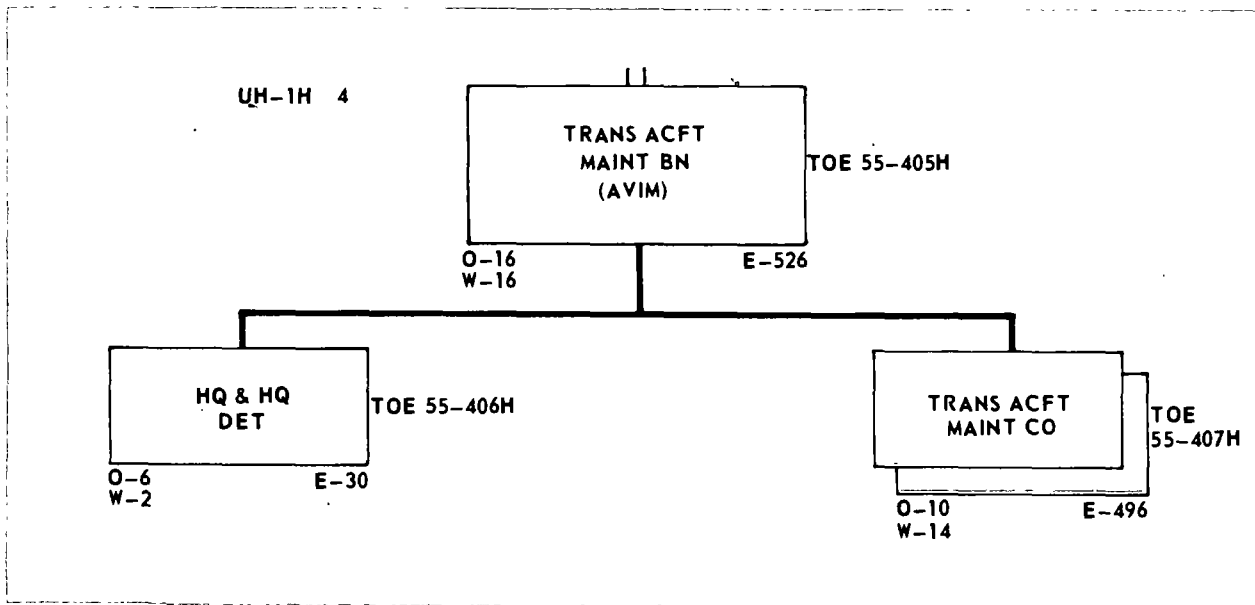


Figure 5-15. Transportation Aircraft Maintenance Battalion (AVIM), Support Command, Airmobile (Air Assault) Division.

MISSION

The battalion's mission is to provide aviation intermediate maintenance to include avionics and aircraft armament and aircraft repair parts to the supported units.

ASSIGNMENT

There is one AVIM battalion organic to the DISCOM.

CAPABILITIES

- Provides aviation intermediate maintenance to include backup aircraft maintenance for units with full AVUM capabilities.
- Provides aircraft repair parts supply to supported units.
- Provides 100 percent aircraft armament and avionics maintenance for all organic aircraft of the division.
- Provides operational readiness floats of selected aircraft items.
- Provides technical assistance and quality assurance to supported units.

EMPLOYMENT

The aircraft maintenance battalion normally is located in the DISCOM area. However, the operational concept and methods of employment of the airmobile division and the increased demands for operational aircraft require a lightweight, fast-moving support organization for supply and maintenance of organic aircraft. To meet these requirements, the AVIM battalion has been tailored to attain the same degree of mobility as supported units. Additional mobility is obtained through use of contact teams from the aircraft maintenance companies providing maintenance functions as far forward as practical, returning flyable aircraft to the using unit as expeditiously as possible.

**HEADQUARTERS AND HEADQUARTERS DETACHMENT,
TRANSPORTATION AIRCRAFT MAINTENANCE BATTALION,
SUPPORT COMMAND, AIRMOBILE (AIR ASSAULT) DIVISION
(TOE 55-406H)**

COMPOSITION

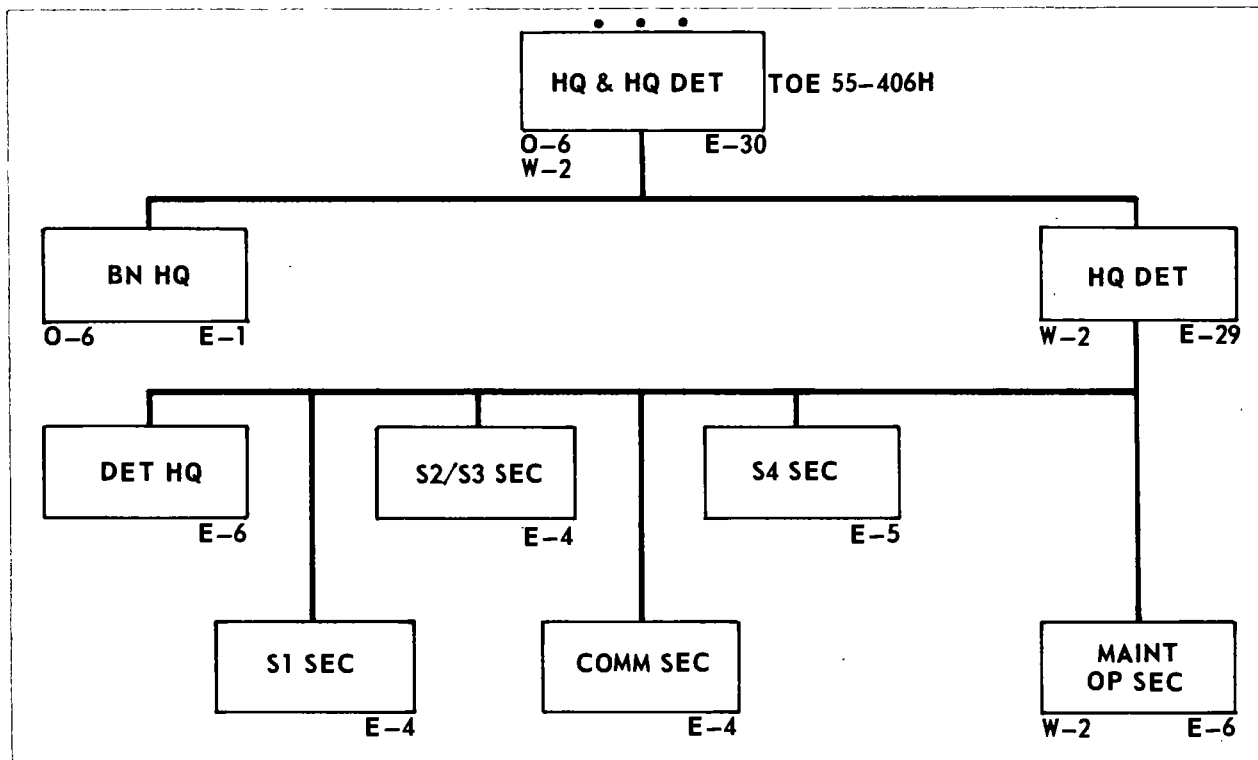


Figure 5-16. Headquarters and Headquarters Detachment, Transportation Aircraft Maintenance Battalion, Airmobile (Air Assault) Division.

MISSION

The HHD's mission is to provide command, control, staff planning, and supervision of assigned and attached aircraft maintenance companies.

In addition to its normal function as a command and control headquarters for the maintenance battalion, this unit performs two important functions in the aircraft maintenance management system of the division.

- It provides production control, quality control, technical assistance, and quality assurance for using units.
- It provides configuration control of all aircraft, aircraft systems, and subsystems of the division.

PERSONNEL

HQ & HQ DET, TRANS ACFT MAINT BN, SPT COMD, AMBL (AIR ASLT) DIV (TOE 55-406H)				S2/S3 SEC			
BN HQ				1	E-8	Op SGT	11B50
1	LTC	Bn Cdr	71A00	1	E-6	Cml Stf NCO	54E30
1	MAJ	XO	71A00	1	E-4	Clk-Typist	71B10
1	MAJ	Maint Op Off	71A00	1	E-4	Gen Dftmn	81A10
1	CPT	S1	41A00	COMM SEC			
1	CPT	S2/S3	71A00	1	E-5	RATT Tm Ch	05F20
1	CPT	S4	92B00	2	E-4	RATT Op	05F10
1	E-9	CSM	00Z50	1	E-4	Sr Fld Swbd Op	36K10
DET HQ				S4 SEC			
1	E-7	Det SGT	67Z4M	1	E-8	Mtr Maint SGT	63Z50
1	E-5	Sup SGT	76Y20	1	E-7	Bn Sup SGT	76Y40
1	E-5	Unit Clk	75B20	1	E-4	Clk-Typist	71B10
1	E-4	Veh Dvr	64C10	1	E-4	Gen Supmn	76Y10
1	E-4	GP Pwr Genr Op/Mech	52B10	1	E-3	Gen Supmn	76Y10
1	E-3	Cook	94B10	MAINT OP SEC			
S1 SEC				1	WO	Avn Tech	103AR
1	E-7	Sr Army CARCSLR	00E40	1	WO	Avionics Rep Tech	286A0
1	E-7	PSNCO	75Z40	1	E-8	Maint Op SGT	67Z5K
1	E-6	Legal Clk	71D30	1	E-8	Avionics Equip Maint	35P50
1	E-6	Clk-Typist	71B30	1	E-7	Acft Armt Rep Tech	
						Advr	68K40
				2	E-7	Ch Hel Tech Insp	67W4F
				1	E-4	Clk-Typist	71B10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

HQ & HQ DET, TRANS ACFT MAINT BN, SPT COMD, AMBL (AIR ASLT) DIV (TOE 55-406H)							
Genr: 1.5 kW, AC			2	Rdo set: VRC-47			1
Genr: 5 kW			1	Rdo set con gp: GRA-39			1
Lchr, gren: 40mm, rifle			6	RATT set: GRC-142			1
Mg, 7.62mm: lt flex w/mts			2	Rcvr-trans con gp: GRA-6			1
Pwr sup: PP-2953/U, 4763/GRC,				Revolver: .38 sp			6
VEH Z-ACD			3	Rifle: 5.56mm			32
Rdo set: VRC-46			3	Equip, speech scty: TSEC/KY-38			1
				Tlr, cgo: ¼-ton			3
				Trk, util: ¼-ton			3
				Equip, tt scty: TSEC/KW-7			1

FM 1-15

**TRANSPORTATION AIRCRAFT MAINTENANCE COMPANY (AVIM),
TRANSPORTATION AIRCRAFT BATTALION, AIRMOBILE
(AIR ASSAULT) DIVISION (TOE 55-407H)**

COMPOSITION

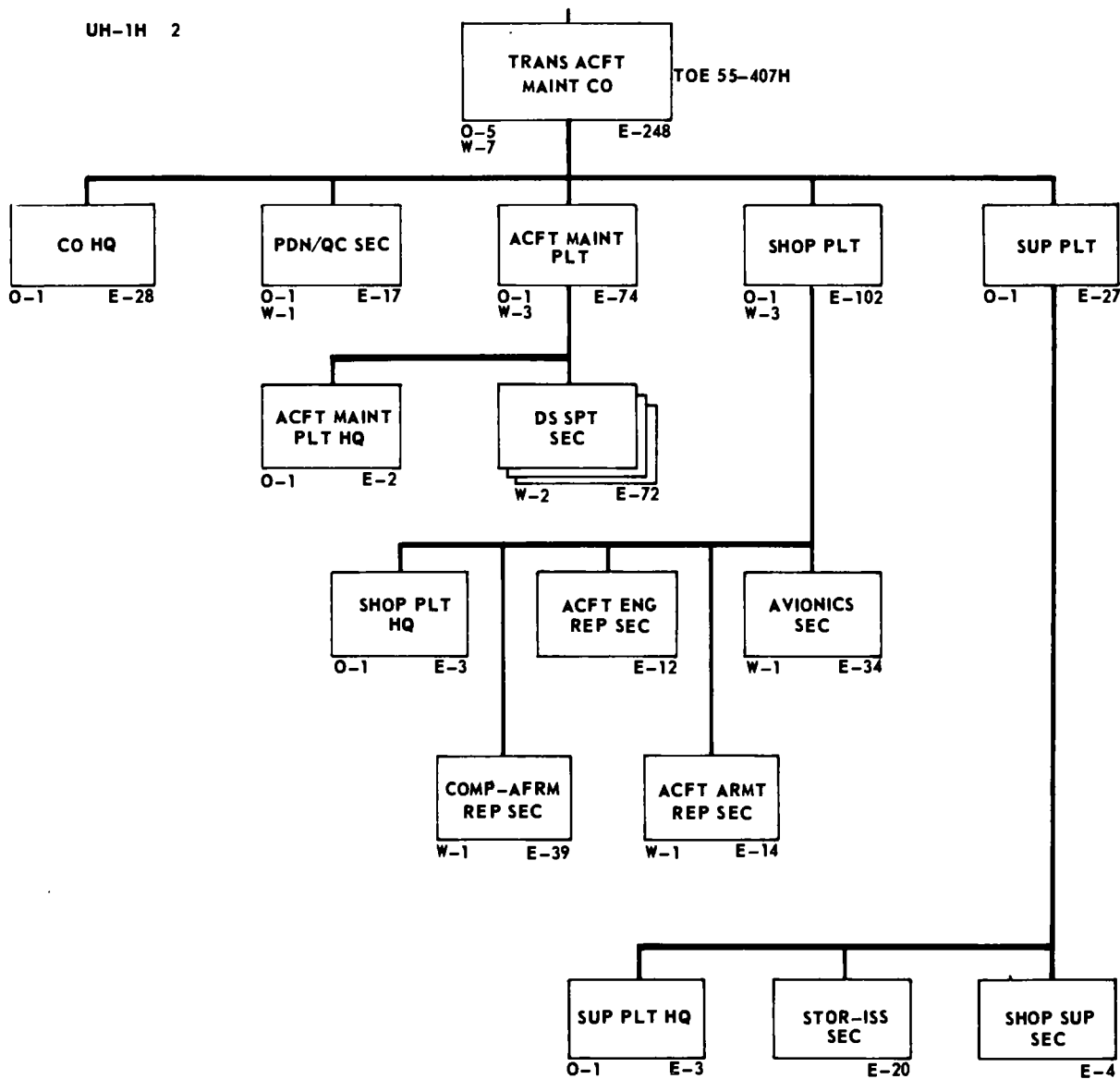


Figure 5-17. Transportation Aircraft Maintenance Company (AVIM), Transportation Aircraft Maintenance Battalion, Airmobile (Air Assault) Division.

MISSION

The mission of this company is to provide aviation intermediate maintenance to include avionics and aircraft armament maintenance and repair parts support for aircraft organic to the airmobile division.

ASSIGNMENT

There are two AVIM companies organic to the transportation aircraft maintenance battalion.

CAPABILITIES

- Provides the following annual manhours of productive maintenance:

Turb eng rep	29,700	FC rep	10,800
Rotor-prop rep	24,300	Mach	2,700
PWTN rep	16,200	Acft hyd rep	2,700
Elec rep	8,100	AH-1 hel rep	32,400
Inst rep	2,700	UH-1 hel rep	64,800
AFRM rep	45,900	OH-58 hel rep	32,400
Acft armt rep	24,300	CH-47 hel rep	48,600
Avionics rep	86,400		

- Receives, stores, and issues approximately 10,000 ASL line items of repair parts for aircraft, avionics equipment, and aircraft armament systems.

- Provides a direct exchange service for selected aircraft repair parts.
- Provides aircraft peculiar repair parts supply to supported units.
- Provides organizational maintenance on vehicles and mess support for the HHD as required.

LIMITATIONS

The company must depend on the area transportation support for movement of aircraft repair parts, supplies from the resupply point, and movement of retrograde items to the evacuation point.

MOBILITY

- The company is only 2 percent mobile in its organic vehicles. However, except for its rough terrain (RT) forklift (FLFT), it is 100 percent air transportable in divisional aircraft.
- This unit is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The AVIM company provides mobile, responsive "one stop" maintenance support to the aviation units of the division. It establishes a direct exchange program for the aviation unit maintenance platoons by repairing components and end items which can be accomplished efficiently and returned to fill AVUM requirements.

The AVIM company also provides aircraft recovery, air evacuation, and technical assistance to the supported AVUM units through the use of mobile contact teams. The extent of support provided the aviation units with complete AVUM capability is dependent on the airmobility requirements and the availability of personnel and equipment throughout the division.

Maintenance requirements beyond the capability of this company are evacuated to depot maintenance facilities in the theater rear area or evacuated to CONUS. Additional intermediate maintenance support is available to the division through supporting nondivisional AVIM units of the corps.

Provides backup aviation unit maintenance to units with less than 10 aircraft.

PERSONNEL				
TRANS ACFT MAINT CO (AVIM), TRANS ACFT BN, AMBL (AIR ASLT) DIV (TOE 55-407H)				CO HQ (cont)
CO HQ				
1	MAJ	Co Cdr	71A00	1 E-7 Mtr SGT 63C40
1	E-8	1SG	67Z5M	1 E-6 Sup SGT 76Y30
1	E-7	Food Svc SGT	94B40	1 E-5 Cook 94B20
				1 E-5 Unit Clk 75B20
				2 E-3 Cook 94B10
				1 E-5 WVEH Mech 63B20

PERSONNEL

CO HQ (cont)

1	E-4	Armr	76Y10
2	E-4	Cook	94B10
1	E-4	Eng Equip Mech	62B10
3	E-4	GP Pwr Genr Op/ Mech	52B10
1	E-4	Mpps Pwr Genr Op/Mech	52B10
1	E-4	Acft Fuel Hdlr	76W10
1	E-4	PLL Clk	76D10
1	E-4	Sr Fld Swbd Op	36K10
2	E-4	WVEH Mech	63B10
1	E-3	Eng Equip Mech	62B10
3	E-3	Pwr Genr Equip Helper	52B10
1	E-3	Gen Supmn	76Y10
1	E-3	WVEH Mech Helper	63A10

PDN/QC SEC

1	CPT	Pdn Con Off	71A00
1	WO	QC Tech	103AR
1	E-7	Pdn Con SGT	67Z4K
1	E-7	Ch Hel Tech Insp	67W4F
5	E-6	Hel Tech Insp	67W3F
1	E-4	Pdn Con Clk	76D10
1	E-4	QC Clk	76D10
1	E-4	Rec Clk	71B10
1	E-6	Acft Armt Rep Insp	68J30
1	E-6	Acft FC Rep Insp	68J30
1	E-6	AFRM Insp	68G30
2	E-5	UH-1 CRC	67N2F
1	E-4	UH-1 Rpmn	67N10
1	E-4	Avionics Rpmn	35K10

ACFT MAINT PLT HQ

1	CPT	Plt Ldr	71A00
1	E-7	Plt SGT	67Z40
1	E-4	Equip Maint Clk	76D10

AVIM SEC

2	WO	Acft Rep Tech	100BR
3	E-7	Sec SGT	67Z40
6	E-5	Sr AH-1G Rpmn	67Y20
9	E-5	Sr OH-6/OH-58 Rpmn	67V20
6	E-4	AH-1G Rpmn	67Y10
9	E-4	CH-47 Rpmn	67U10
6	E-4	OH-6/OH-58 Rpmn	67V10
12	E-4	UH-1 Rpmn	67N10
3	E-3	UH-1 Maint Helper	67N10
3	E-3	CH-47 Maint Helper	67U10

SHOP PLT HQ

1	CPT	Plt Ldr	71A00
1	E-7	Plt SGT	67Z40
1	E-4	Equip Maint Clk	76D10
1	E-3	Toolroom Keeper	67N10

COMP-AFRM REP SEC

1	WO	Acft Rep Tech	103AR
1	E-7	Sec SGT	67Z40
1	E-5	Acft Inst Rpmn	68F20
1	E-5	Sr Acft Elec	68F20
2	E-5	Sr Acft PWTN Rpmn	68D20
4	E-5	Sr Acft Rotor Rpmn	68G20
6	E-5	Sr AFRM Rpmn	68G20
2	E-4	Acft Elec	68F10
1	E-4	Acft Hyd Rpmn	68H10
3	E-4	Acft PWTN Rpmn	68D10
4	E-4	Acft Rotor Rpmn	68G10
7	E-4	AFRM Rpmn	68G10
1	E-3	Acft Rotor Rpmn Helper	68G10
3	E-3	AFRM Rep Helper	68G10
1	E-3	Acft PWTN Rep Helper	68D10
1	E-5	Mach	44E20
1	E-5	AFRM Welder	68G20

ACFT ENG REP SEC

1	E-6	Sec SGT	68B30
4	E-5	Sr Acft Sgl Turb Eng Rpmn	68B20
4	E-4	Acft Sgl Turb Eng Rpmn	68B10
1	E-3	Acft Sgl Turb Eng Rpmn	68B10
1	E-5	Sr Acft Multi-Turb Eng Rpmn	68B20
1	E-4	Acft Multi-Turb Eng Rpmn	68B10

ACFT ARMT REP SEC

1	WO	Acft Armt Maint Tech	103AE
1	E-7	Sec SGT	68K40
4	E-5	Sr Acft Armt Rpmn	68J20
2	E-5	Sr Acft FC Rpmn	68J20
4	E-4	Acft Armt Rpmn	68J10
2	E-4	Acft FC Rpmn	68J10
1	E-3	Asst Acft Armt Rpmn	68J10

PERSONNEL

AVIONICS SEC

1	WO	Avionics Maint Tech	286A0
1	E-7	Sec SGT	35P40
16	E-5	Avionics Comm Equip	
		Rpmn	35L20
4	E-5	Avionics Flt Con Equip	
		Rpmn	35N20
1	E-5	Avionics Comm Equip	
		Rpmn	35L20
8	E-5	Avionics Nav Equip	
		Rpmn	35M20
3	E-5	Avionics Rdr Equip	
		Rpmn	35R20
1	E-4	Mat Supmn	76D10

SUP PLT HQ

1	CPT	Plt Ldr	71A00
1	E-7	Plt SGT	76D40

SUP PLT HQ (Cont)

1	E-4	Sup Con/Acct Clk	76P10
1	E-3	Sup Con/Acct Clk	76P10

STOR-ISS SEC

1	E-6	Mat Sup Supv	76D30
5	E-5	Mat Supmn	76D20
6	E-4	Mat Supmn	76D10
1	E-4	Mat Stor SP	76V10
1	E-4	RT FLFT Op	62M10
1	E-4	Pkg-Crtg SP	76V10
5	E-3	Mat Supmn	76D10

SHOP SUP SEC

1	E-5	Mat Supmn	76D20
2	E-4	Mat Supmn	76D10
1	E-3	Mat Supmn	76D10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

TRANS ACFT MAINT CO (AVIM), TRANS ACFT BN,
AMBL (AIR ASLT) DIV (TOE 55-407H)

Genr: 5 kW, AC	4
Hel, util: UH-1H	2
Genr: 10 kW, AC	1
Armt, subsys hel: 7.62mm mg	2
Genr: 15 kW, AC	1
Rifle: 5.56mm	246
Genr: 30 kW, AC	4
Revolver: cal .38	15
Crane, whl-mtd: 3-ton	4
Mg, 7.62mm: lt, door-mtd	4
Genr: 7.5 kW, DC	1
Mg, 7.62mm: flex w/mts	4
Genr: 3 kW, DC	3
Lchr, gren: 40mm	6
Genr: 1.5 kW, AC & DC	4
Rdo set: AN/VRC-46	2
Intg, cmpt: KIR-1A/TSEC	1
Rdo set: AN/VRC-47	1

Veh, Z-ACD, hyd ptbl	1
Pwr sup: PP-2953/U, 1104/G,	
3939G/3940/G	9
Rdo set: AN/PRC-90	4
Rdo set con gp: AN/GRA-39	1
Equip, speech scty (abn):	
TSEC/KY-28	2
Equip, speech scty: TSEC/KY-38	1
Trac, whl, acft tow: 100,000-lb GWT	1
Trk, util: ¼-ton, 4x4	2
Transponder, cmpt: KIT-1A/TSEC	2
Tlr, cgo: ¼-ton	2
Trk, cgo: ¾-ton, 4x4	6
Tlr, cgo: ¾-ton	3
Trk, cgo: 2½-ton, 6x6	2
Tlr, cgo: 1½-ton	2
Trk, tk: fuel svc, 2½-ton	1
Trk, water: 1,000-gal, 2½-ton	1
Tlr, tk: water, 400-gal	1
Trk, plat, util: ½-ton, 4x4	11
Tlr, acft maint: ambl, 4-whl	4
Trk, FLFT	1

MEDICAL BATTALION, SUPPORT COMMAND AIRMOBILE (AIR ASSAULT) DIVISION (TOE 8-25H)

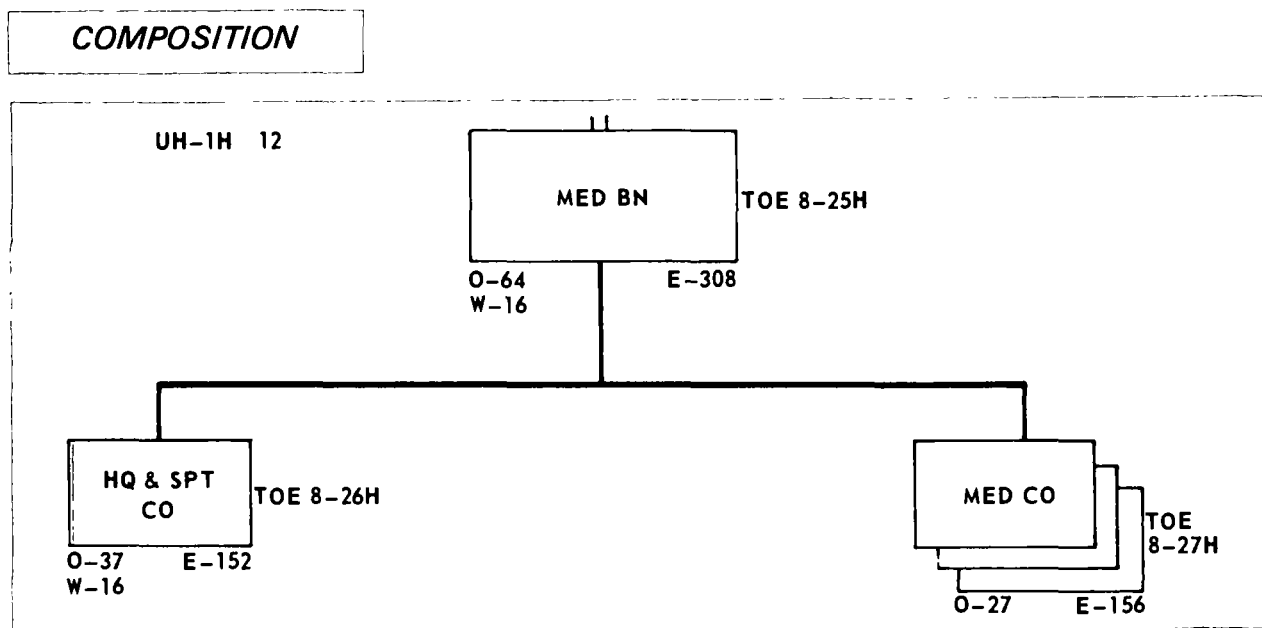


Figure 5-18. Medical Battalion, Airmobile (Air Assault) Division.

MISSION

The battalion's mission is to provide division-level medical support, medical staff advice and assistance, and unit-level medical support as required for all assigned and attached units of the division.

ASSIGNMENT

There is one medical battalion organic to the DISCOM.

CAPABILITIES

In addition to the medical capabilities of other medical battalions, this organization has the following capabilities of particular importance to aviation elements of the airmobile division.

- Operates the division clearing stations with a limited short-term holding capability.
- Provides air and limited ground ambulance support to unit-level medical treatment facilities.
- Provides crash rescue support on an area basis.
- Performs aviation unit maintenance (AVUM) on organic aircraft.

FM 1-15

HEADQUARTERS AND SUPPORT COMPANY, MEDICAL BATTALION, AIRMOBILE (AIR ASSAULT) DIVISION (TOE 8-26H)

COMPOSITION

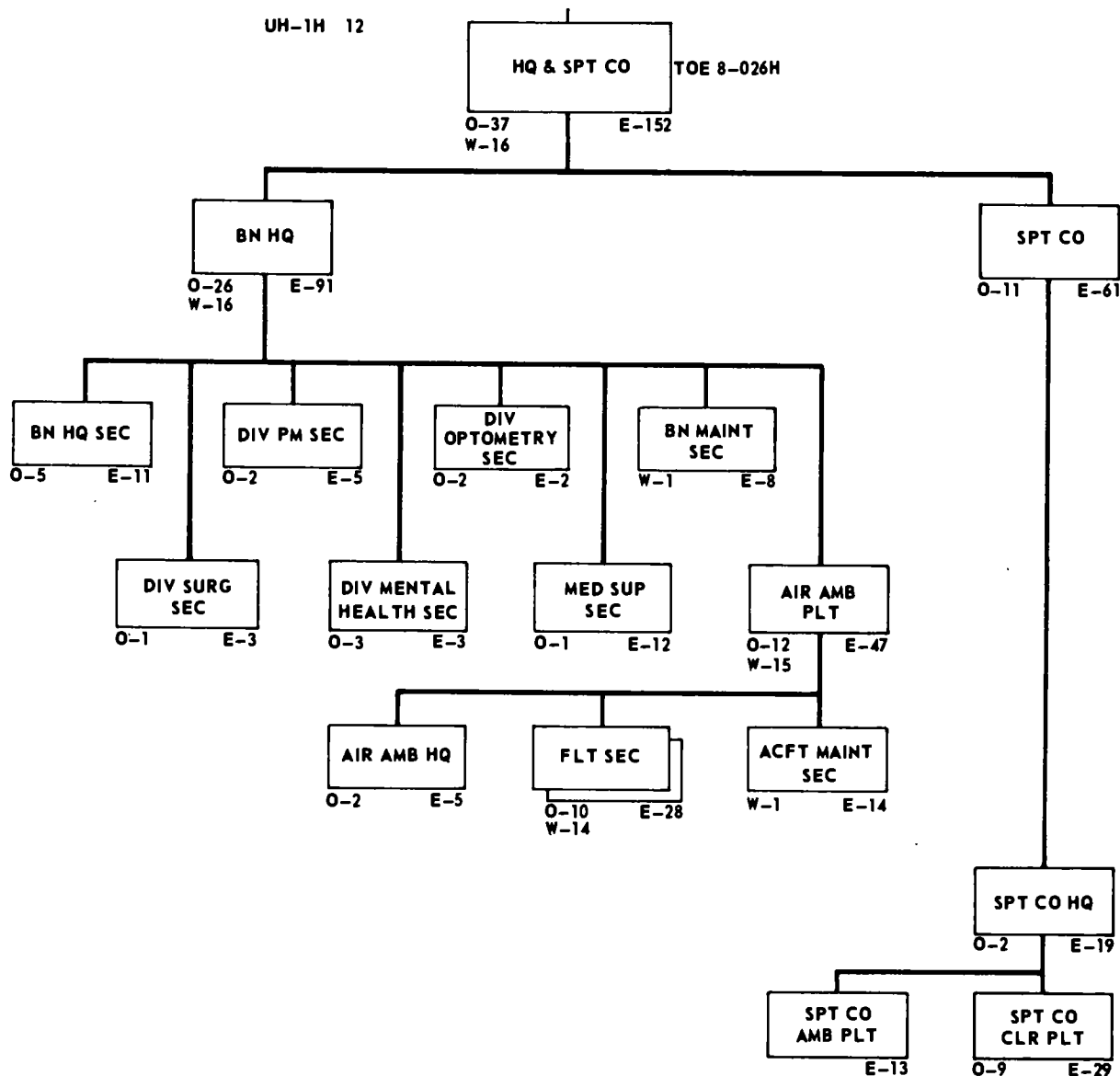


Figure 5-19. Headquarters and Support Company, Medical Battalion, Airmobile (Air Assault) Division.

MISSION

The mission of the headquarters and support company is twofold. First, it provides command, control, administrative, logistical, and staff planning for the battalion; and secondly, it provides division-level medical support, medical staff advice and assistance, and unit-level medical support as required on an area basis to units operating in the division base area.

ASSIGNMENT

This unit is organic to the medical battalion.

CAPABILITIES

This company has the capability to provide all the command and staff functions and medical support associated with a medical battalion headquarters. Additionally, it has these capabilities of particular interest to aviation units of the airmobile division.

- Provides limited ground evacuation of patients from unit aid stations.
- Provides division-wide aeromedical evacuation, in-flight treatment of patients, and aerial delivery of whole blood, medical supplies and equipment, and medical personnel.
- Provides unit-level medical support on an area basis for all elements without an organic medical support capability.
- Provides division-wide air crash-rescue support on an area basis.
- Performs organizational maintenance on aircraft, vehicles, and communications equipment of organic elements of the medical battalion.

MOBILITY

- The company is 35 percent mobile in its organic vehicles and aircraft .
- It is 100 percent air transportable in divisional aircraft.
- It is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The company operates from the DISCOM area providing specialized medical services for the airmobile division. These specialized services include dental treatment, optometric services, and psychiatric services.

The battalion commander acts as advisor to the DISCOM commander and his staff on all medical, professional, and technical matters within DISCOM and coordinates the medical support operations of the division.

The air ambulance platoon normally operates from the DISCOM heliport on an "on call" basis. However, the sections may operate semi-independently for limited periods and may be placed in direct support of the committed brigades for specific combat operations. Evacuation of the patients is to the division medical facilities.

PERSONNEL

HQ & SPT CO, MED BN (TOE 8-26H)				AIR AMB PLT HQ			
BN HQ SEC				1	CPT	Plt Cdr	67J00
1	LTC	Bn Cdr	60A00	1	LT	Op Off	67J00
1	MAJ	Bn XO	67B00	1	E-7	Plt SGT	91B4F
1	MAJ	S3	67H00	1	E-6	Flt Op Ch	71P30
1	CPT	S4	67K00	1	E-4	Flt Op SP	71P10
1	CPT	S1	67F00	2	E-3	Rdo Op	91B10
1	E-9	CSM	00Z50	FLT SEC			
1	E-8	Op SGT	91B50	2	LT	Sec Ldr	67J00
1	E-7	Intel SGT	91B40	8	LT	Crash Rsq/Evac Pilot	67J00
1	E-7	PSNCO	75Z40	11	WO	Evac Pilot	100B0
1	E-7	Sr Army CARCSLR	00E40	12	E-4	Air Amb Aidman	91B1F
1	E-6	Legal Clk	71D30	12	E-5	UH-1 CRC	67N2F
2	E-4	Clk-Typist	71B10	4	E-4	Crash Rsq SP	51M1F
3	E-3	Lt Veh Dvr	91B10	1	WO	RW Flt Safety Tech	100BB
				1	WO	RW IP	100BC
				1	WO	RW Inst Exam	100B6

PERSONNEL**ACFT MAINT SEC**

1	WO	Acft Rep Tech	100BR
1	E-6	Acft Maint Supv	67N3F
2	E-6	UH-1 Tech Insp	67N3F
2	E-5	Sr UH-1 Mech	67N20
1	E-5	Sr Avionics Mech	35K20

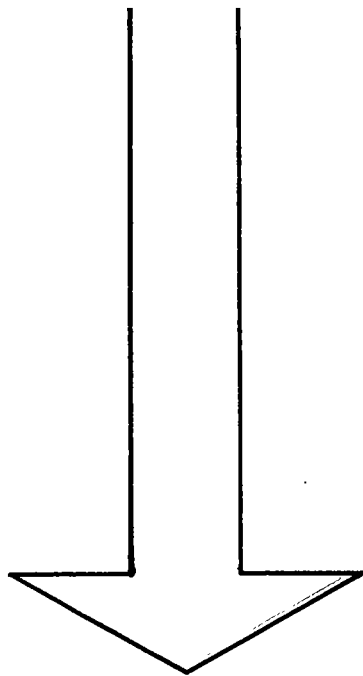
ACFT MAINT SEC (Cont)

1	E-4	Acft Fuel Hdlg SP	76W10
1	E-4	Acft PLL Clk	76D10
1	E-4	Avionics Mech	35K10
3	E-4	UH-1 Rpmn	67N10
1	E-4	Petr Sup Hdlr	76W10
1	E-3	UH-1 Maint Helper	67N10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**HQ & SPT CO, MED BN (TOE 8-26H)**

Genr: 0.5 kW, AC	1
Hel, util: UH-1H	12
Genr: 3 kW, DC	2
Rifle: 5.56mm	28
Genr: 1.5 kW, AC	3
Revolver: cal .38	60
Genr: 7.5 kW, DC	2
Pistol: cal .45	2
Intg, cmpt: KIR-1A/TSEC	1
Pistol, Pyrotechnic	12
Transponder, cmpt: KIT-1A/TSEC	12
Rdo set: AN/PRC-41	1

Rdo set: AN/VRC-46	1
Rdo set: AN/VRC-47	2
Rdo set: AN/VRC-64	1
Rdo set: AN/PRC-77	4
Rdo set: AN/PRC-90	24
Rdo set con gp: AN/GRA-39	3
Equip, speech scity: TSEC/KY-38	4
Equip, speech scity: TSEC/KY-28	12
Trk, util: ¼-ton, 4x4	3
Tlr, cgo: ¼-ton	3
Trk, cgo: ¾-ton, 4x4	2
Tlr, cgo: ¾-ton	2
Trk, cgo: 2½-ton, 4x4	1
Tlr, cgo: 1½-ton	1



PART THREE

NONDIVISIONAL AVIATION

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CHAPTER 6

SEPARATE AVIATION COMPANIES

Nondivisional aviation companies normally are assigned to the corps. An exception would be when a numbered army is formed as a command and control headquarters between the corps and the unified command, there may be an aviation company supporting that headquarters.

This chapter will present type aviation companies which may be assigned to corps. This is not to imply that these are the only companies nor that all of these units will be assigned to every corps. When discrepancies between actual units and this manual exist, the user is encouraged to consult the pertinent TOE for the unit concerned.

CORPS AVIATION COMPANY (TOE 1-127H)

COMPOSITION

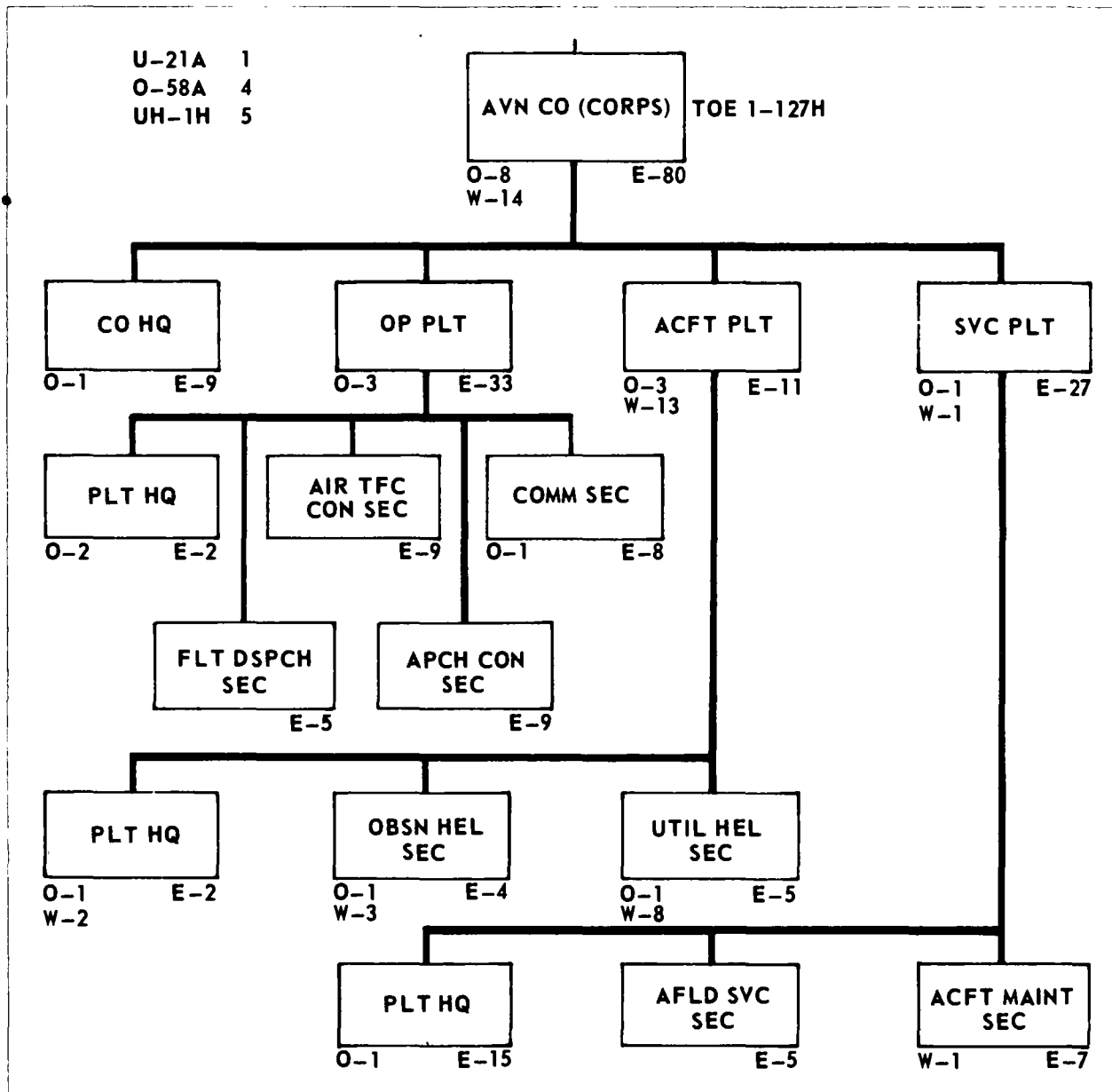


Figure 6-1. Corps Aviation Company.

MISSION

This company's mission is to provide the corps headquarters and subordinate elements with immediately available Army aviation support and IFR terminal control facilities.

ASSIGNMENT

This company is assigned to the corps on a requirement basis.

CAPABILITIES

- Provides airmovement of high priority personnel and emergency aerial resupply of critical parts and supplies.
- Provides aerial transportation for the corps commander and his staff.
- Provides facilities for establishing and operating an instrumented airfield within the corps area.
- Provides aircraft for column control, radio relay, and messenger service; radiological survey; roadnet reconnaissance; and traffic survey.
- Provides communications and airfield service for the corps airfield.

MOBILITY

- This unit is 90 percent mobile in organic vehicles.
- This company is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The corps aviation company is collocated with the corps headquarters to facilitate support to the corps commander and his staff. The corps airfield is established by the corps assets and operated by personnel and equipment from within this company. The aircraft are dispatched on a mission basis from this airfield.

PERSONNEL

CORPS AVN CO (TOE 1-127H)

CO HQ

1	MAJ	Co Cdr	15A00
1	E-8	1SG	67Z5M
1	E-7	Food Svc SGT	94B40
1	E-6	Sup SGT	76Y30
1	E-6	First Cook	94B30
1	E-5	Unit Clk	75B20
1	E-4	Armrr	76Y10
2	E-4	Cook	94B10
1	E-4	Veh Dvr	67N10

OP PLT HQ

1	CPT	Op Off	15A00
1	LT	Flt Op Off	15A00
1	E-7	Flt Op Ch	71P40
1	E-4	Flt Op SP	71P10

FLT DSPCH SEC

1	E-5	Flt Op Ch	71P20
2	E-4	Flt Op SP	71P10
2	E-3	Flt Op SP	71P10

ATC SEC

1	E-6	Sec Ch	93H30
2	E-5	ATC Tower Op	93H20
3	E-4	ATC Tower Op	93H10
3	E-3	ATC Tower Op	93H10

APCH CON SEC

1	E-6	GCA Supv	93J30
2	E-5	GCA SP	93J20
3	E-4	GCA SP	93J10
3	E-3	GCA SP	93J10

COMM SEC

1	LT	C-E Off	25A72
1	E-6	COMM Ch	31G30
1	E-5	RATT Tm Ch	05F20

COMM SEC (Cont)

1	E-6	Sr Gnd Rdr Rpmn	26D30
1	E-4	Fld C-E Equip Mech	31B10
2	E-4	RATT Op	05F10
1	E-4	Sr Fld Swbd Op	36K10
1	E-3	Tac Wire Op SP	36K10

ACFT PLT HQ

1	CPT	Plt Ldr	15A00
1	WO	Inst Exam	100B6
1	WO	Flt Safety Tech	100BB
1	E-7	Plt SGT	67Z40
1	E-5	U-21 CRC	67G2F

OBSN HEL SEC

1	LT	Sec Ldr	15A00
2	WO	Pilot, OH-58	100G0
4	E-5	OH-58 CRC	67V20
1	WO	RW IP	100GC

UTIL HEL SEC

1	LT	Sec Ldr	15A00
7	WO	Pilot, UH-1	100B0
5	E-5	UH-1 CRC	67N2F
1	WO	RW IP	100BC

SVC PLT HQ

1	CPT	Plt Ldr	71A00
1	E-7	Plt SGT	67Z40
1	E-6	Mtr SGT	63B30
2	E-6	Hel Tech Insp	67W3F
1	E-5	Mat Supmn	76D20
2	E-4	PLL Clk	76D10
2	E-4	GP Pwr Genr/Op Mech	52B10
1	E-4	WVEH Mech	63B10
1	E-4	Wkr Op	63B10
1	E-3	Clk	71B10
1	E-3	Pwr Genr Equip Helper	52B10
1	E-3	WVEH Mech	63B10
1	E-3	Mat Supmn	76D10

PERSONNEL**ACFT MAINT SEC**

1	WO	Acft Rep Tech	100BR
1	E-6	Maint Supv	67N30
1	E-5	Sr UH-1 Rpmn	67N20
1	E-4	Avionics Mech	35K10
1	E-4	U-21 Rpmn	67G10
2	E-4	UH-1 Rpmn	67N10
1	E-4	Acft Armt Mech	68M10

AFLD SVC SEC

1	E-5	Sec Ch	67N20
1	E-5	Acft Fuel Hdlr	76W20
2	E-4	Acft Fuel Hdlr	76W10
1	E-3	Acft Fuel Hdlr	76W10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**CORPS AVN CO (TOE 1-127H)**

Airplane, util: U-21A	1
Rdo set, beacon: TRN-30	1
Hel, obsn: OH-58A	4
Hel, util: UH-1H	5
Genr: 0.5 kW, AC	2
Armt, subsys: hel, 7.62mm mg	5
Genr: 1.5 kW, AC	6
Mg, 7.62mm: lt, door-mtd	10
Genr: 3 kW, DC	2
Mg, 7.62mm: lt flex w/mts	6
Genr: 5 kW, DC	3
Rifle: 5.56mm	69
Genr: 7.5 kW, DC	1
Revolver: cal .38	33
Genr: 10 kW, AC	2
Lchr, gren: 40mm	6
Intg, cmpt: KIR-1A/TSEC	1
Pwr sup: PP-2953/U, VEH Z-ACD	3
Rdo set: AN/VRC-46	2

Rdo set con gp: AN/GRA-39	1
RATT set: AN/GRC-142	1
Rdo set: AN/PRC-90	21
RATT set: GRC-142	1
Equip, elct tt scty: TSEC/KW-7	1
Equip, speech scty: TSEC/KY-38	2
Equip, speech scty(abn): TSEC/KY-28	20
Trk, util: ¼-ton, 4x4	3
Tlr, cgo: ¼-ton	2
Trk, cgo: ¾-ton, 4x4	3
Acft con cen, ATC: AN/TSQ-70A	1
Ldg con cen, ATC: AN/TSQ-71A	1
Tlr, cgo: ¾-ton	2
Trk, cgo: 1 ¼-ton, 4x4	1
Trk, cgo: 2 ½-ton, 6x6	6
Tlr, cgo: 1 ½-ton	3
Tlr, tk: water, 400-gal	1
Trk, tk: fuel svc, 2 ½-ton	3
Trk, shop van: 2 ½-ton, 6x6	1
Trk, wkr: 5-ton, 6x6	1
Equip, tt scty: TSEC/KY-7	1

MILITARY INTELLIGENCE COMPANY, AERIAL SURVEILLANCE
(MICAS) (OV-1D) (TOE 30-079H)

COMPOSITION

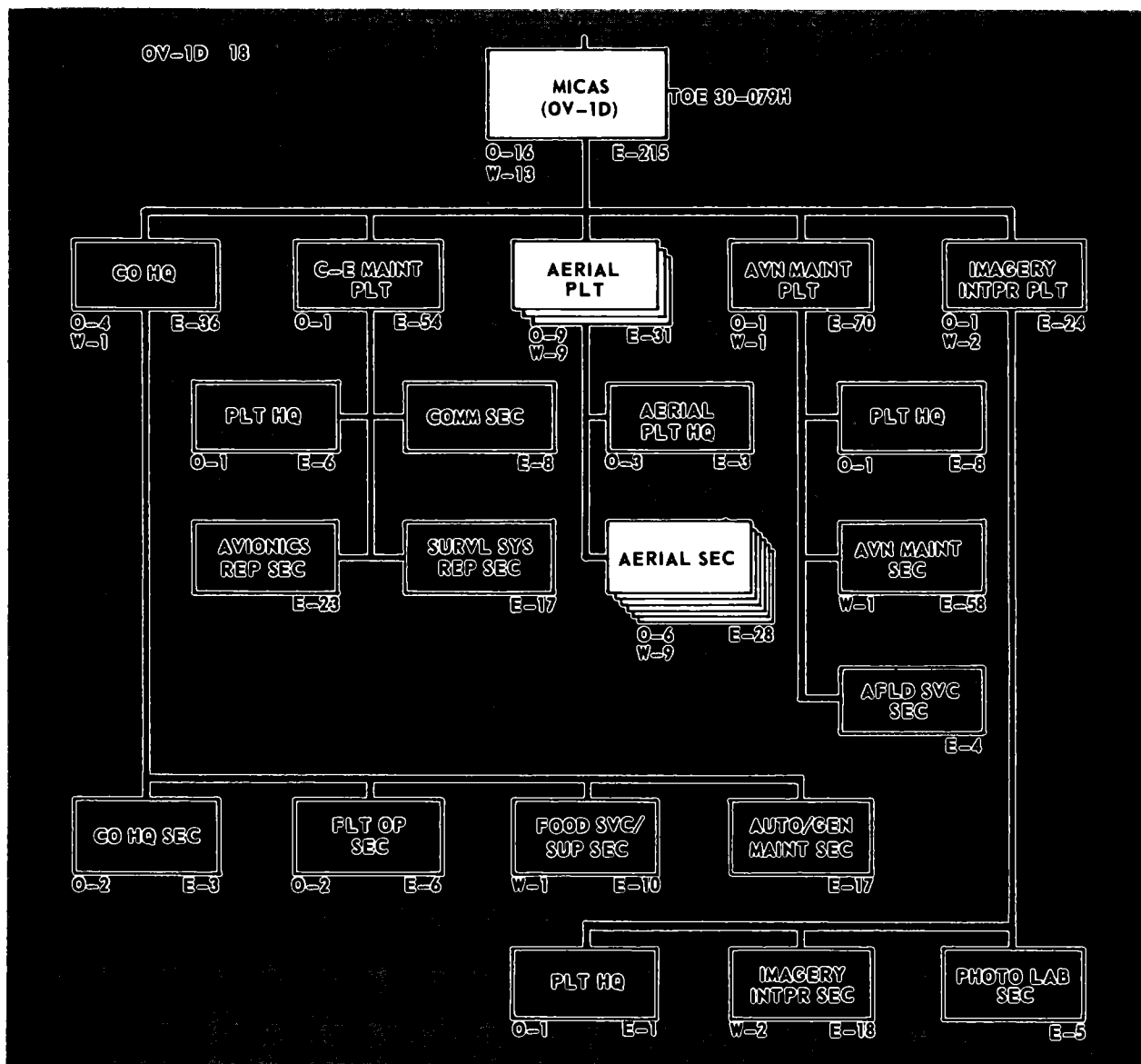


Figure 6-2. Military Intelligence Company, Aerial Surveillance (MICAS) (OV-1D).

MISSION

The MICAS' mission is to provide combat surveillance, reconnaissance, and target acquisition capabilities to army component command, corps, division, and separate task force.

ASSIGNMENT

The MICAS is assigned to army component command, corps, or separate task force based on requirements.

CAPABILITIES

- Provides systematic surveillance of that area for which the Army has primary aerial surveillance responsibility.
- Conducts aerial surveillance of routes, zones, areas, rivers, coastlines, and borders using photographic, radar, infrared (ir) systems, and visual means.
- Acquires information/intelligence by aerial means using an appropriate sensor mix of cameras (photo), side-looking airborne radar (SLAR), infrared, and visual means.
- Conducts 1215 hours of surveillance per month.
- Acquires information for poststrike analysis of nuclear weapons effects.
- Acquires information for damage assessment of conventional fire support systems.
- Acquires information for radiological survey.
- Provides in-flight intelligence information to supported units.
- Provides critical imagery interpretation reports to supported units' battlefield information coordination centers (BICCs) by voice radio over the corps BICC intelligence net.
- Provides normal hard-copy imagery interpretation reports to supported units' BICCs by radioteletype (RATT) over the corps BICC intelligence net.
- Performs full AVUM on organic aircraft and avionics.
- Performs organizational maintenance on organic equipment.

LIMITATIONS

This unit is dependent on its major supported headquarters airfield facilities.

MOBILITY

- For tactical movement, this unit requires transportation for approximately 10 percent of the organic equipment and personnel.
- This unit has no organic equipment requiring special transport.
- This company is 100 percent air transportable in US Air Force aircraft except for its 18 OV-1D aircraft which are normally ferried.

EMPLOYMENT

The company performs aerial reconnaissance surveillance and target acquisition missions in support of the army component command, corps, or task force to which it is assigned. It is normally employed as an integral unit at an instrumented airfield within the supported unit's area of operation. Also, it is normally employed in general support of the component command or corps; elements of the company may be placed in direct support of subordinate units of the corps on a mission basis. The company operates under the operational control of the G2 of the echelon to which it is assigned. As principal assistant to the G2, the G2 (Air) directs the surveillance efforts through the assignment of specific missions and priorities for accomplishment. A representative of the G2 (Air), the air reconnaissance liaison officer (ARLO) is provided to the company to conduct briefings to the aircrews on requirements for missions and debriefing of the crews upon their return. The information attained is passed to the G2 (Air) and the requesting headquarters.

PERSONNEL

MIL INTEL CO, AERIAL SURVL (MICAS) (OV-1D) (TOE 30-079H)							
CO HQ SEC				FLT OP SEC			
1	MAJ	Co Cdr	15A35	1	CPT	Flt Op Off	15A35
1	CPT	XO	15A35	1	LT	Asst Flt Op Off	15A35
1	E-8	1SG	96D50	1	E-7	Flt Op Ch	71P40
1	E-5	Unit Clk	75B20	2	E-4	Flt Op SP	71P10
1	E-4	Unit Clk	71B10	3	E-3	Flt Op SP	71P10

PERSONNEL

FOOD SVC/SUP SEC

1	WO	Unit Sup Tech	761A0
1	E-7	Food Svc SGT	94B40
1	E-6	Sup SGT	76Y30
1	E-6	First Cook	94B30
1	E-5	Cook	94B20
1	E-4	Armr	76Y10
2	E-4	Cook	94B10
1	E-4	Gen Supmn	76Y10
2	E-3	Cook	94B10

AUTO/GEN MAINT SEC

1	E-7	Mtr SGT	63C40
2	E-5	WVEH Mech	63B20
1	E-5	Sr Mpps Pwr Genr Op/Mech	52B20
1	E-4	Equip Maint Clk	76B10
2	E-4	GP Pwr Genr Op/Mech	52B10
2	E-4	Mpps Pwr Genr Op/ Mech	52B10
1	E-4	PLL Clk	76S10
2	E-4	WVEH Mech	63B10
1	E-4	Wkr Op	63B10
2	E-3	Pwr Genr Equip Helper	52B10
2	E-3	WVEH Mech	63B10

C-E MAINT PLT HQ

1	CPT	Plt Ldr	15A72
1	E-3	Mat Supmn	76D10
2	E-3	Mat Stor SP	76V10
1	E-7	Plt SGT	35P40
1	E-4	Mat Stor SP	76V10
1	E-4	Mat Supmn	76D10

COMM SEC

1	E-6	Comm Ch	31G30
1	E-5	RATT Tm Ch	05F20

COMM SEC (cont)

1	E-4	Fld C-E Equip Mech	35B10
2	E-4	RATT Op	05F10
1	E-4	Sr Fld Swbd Op	36K10
1	E-3	Fld Swbd Op	35K10
1	E-3	Tac Wire Op SP	36K10

AVIONICS REP SEC

1	E-7	Avionics Equip Rep Supv	35P40
1	E-6	Avionics Rdr Rep Insp	35R3F
2	E-5	Avionics Comm Equip Rpmn	35L20
2	E-5	Avionics Flt Con Equip Rpmn	35N20
2	E-5	Avionics Nav Equip Rpmn	35M20
4	E-5	Avionics Rdr Equip Rpmn	35R20
1	E-5	Fld Genr COMSEC Rep SP	31S20
1	E-5	Fld Sys COMSEC Rep SP	31T20
3	E-5	Sr Avionics Mech	35K20
6	E-4	Avionics Mech	35K10

SURVL SYS REP SEC

1	E-7	Rep Supv	26M40
1	E-6	Survl Rdr Rep Insp	26M3F
4	E-5	Abn Survl Rdr Rpmn	26M20
3	E-5	Survl Ir Rpmn	26N20
6	E-5	Survl Photo Equip Rpmn	41G20
1	E-4	Abn Survl Rdr Rep Appr	26M10
1	E-4	Survl Ir Rep Appr	26N10

PERSONNEL

AERIAL PLT HQ

3	CPT	Plt Ldr	15A35
3	E-7	Plt SGT	96H4F

AERIAL SEC

6	LT	Sec Ldr	15A35
1	WO	Flt Safety Tech	100RB
2	WO	IP	100RC
1	WO	Inst Exam	100R6
5	WO	Pilot, OV-1	100R0
6	E-6	Sec Ch	96H3F
7	E-5	Aerial Sensor Op	96H2F
8	E-4	Aerial Sensor Op	96H1F
7	E-3	Aerial Sensor SP	96H1F

AVN MAINT PLT HQ

1	CPT	Plt Ldr	15A71
1	E-7	Plt SGT	67Z40
1	E-3	Mat Stor SP	76V10
3	E-6	FW Tech Insp	67G3F
1	E-4	Mat Stor SP	76V10
1	E-4	Mat Supmn	76D10
1	E-3	Mat Supmn	76D10

AVN MAINT SEC

1	WO	Avn Tech	103A0
3	E-6	Avn Maint Supv	67G30
1	E-6	Calbr SP	35H30
1	E-5	Mach	44E20
18	E-5	OV-1 CRC	67G20
1	E-5	Sr Acft Elec	68F20
1	E-5	Sr Acft Hyd Rpmn	68H20
1	E-5	Sr Acft Inst Rpmn	68F20
1	E-5	Sr Acft Prop Rpmn	68B20

AVN MAINT SEC (Cont)

1	E-5	Sr AFRM Rpmn	68G20
1	E-5	Sr Multi-Turb Eng Rpmn	68B20
8	E-5	Sr OV-1 Rpmn	67G20
1	E-4	Acft Elec	68F10
1	E-4	Acft Hyd Rpmn	68H10
1	E-4	Acft Prop Rpmn	68B10
2	E-4	AFRM Rpmn	68G10
1	E-4	Mach	44E10
2	E-4	Multi-Turb Eng Rpmn	68B10
9	E-4	OV-1 Rpmn	67G10
4	E-3	OV-1 Maint Helper	67G10

AFLD SVC SEC

1	E-5	Sec Ch	67G20
1	E-5	Acft Fuel Hdlr	76W20
1	E-4	Acft Fuel Hdlr	76W10
1	E-3	Acft Fuel Hdlr	76W10

IMAGERY INTPR PLT HQ

1	LT	Plt Ldr	35C00
1	E-7	Plt SGT	96D40

IMAGERY INTPR SEC

2	WO	Imagery Intpr Tech	962A0
1	E-6	Imagery Intpr	96D30
6	E-5	Imagery Intpr	96D20
6	E-4	Imagery Intpr	96D10
5	E-3	Imagery Intpr	96D10

PHOTO LAB SEC

1	E-5	Sr Still Photo Lab SP	84G20
3	E-4	Still Photo Lab SP	84G10
1	E-3	Still Photo Lab Helper	84G10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

MIL INTEL CO, AERIAL SURVL (MICAS) (OV-1D) (TOE 30-079H)			
Airplane, obsn (STOL): OV-1D	18	RATT set: AN/GRC-142	1
Genr: 60 kW	8	Equip, speech scty (abn): TSEC/KY-28	18
Mg, 7.62mm: lt flex w/mts	8	Equip, speech scty: TSEC/KY-38	2
Genr: 5 kW, AC	5	Equip, elct tt scty: TSEC/KW-7	1
Rifle: 5.56mm	186	Camera, still: KA-60	18
Genr: 30 kW	1	Camera, still: KA-76	18
Revolver: cal .38	60	Transponder, cmpt: KIT-1A/TSEC	18
Genr: type C-26C for OV-1 acft gas	6	Cbt survl set: AN/APS-94	12
Lchr, gren: 40mm	8	Strl, tk: fuel svc, 5,000-gal, 12-ton	1
Genr: 1.5 kW, AC	4	Trk, util: ¼-ton	1
Rdo set: AN/VRC-24	1	Tlr, cgo: ¼-ton	1
Genr: 3 kW, DC	1	Trk, cgo: ¾-ton	10
Rdo set: AN/VRC-46	1	Tlr, cgo: ¾-ton	6
Genr: 10 kW, AC	1	Trk, cgo: 1¼-ton	1
Rdo set: AN/VRC-47	1	Trk, cgo: 2½-ton	12
Intg, cmpt: KIR-1A/TSEC	1	Tlr, cgo: 1½-ton	3
Rdo set: AN/VRC-64	2	Trk, trac: 5-ton, 6x6	7
Op cen comm: MSC-31	1	Trk, van: expans, 5-ton, 6x6	1
Rdo set: AN/PRC-77, 4763/GRC VEH Z-ACD	3	Trk, tk: water, 1,000-gal, 2½-ton	1
Pwr sup: PP-2953/U, 3135/U, 3838/G, 3940/G	8	Tlr, tk: water, 400-gal	1
Rdo set: AN/PRC-90	36	Trac, whl whs: 400-lb	2
Rdo set: AN/GRC-106	1	Tlr, acft maint: ambl	1
RATT set: GRC-142	1	Tlr, semi-reefer: 7½-ton	1
Rdo set con gp: AN/GRA-39	1	Trk, wkr: 5-ton, 6x6	1
		Equip, tt scty: TSEC/KW-7	1
		Trk, plat util: ½-ton	2

ARMY AVIATION AIR TRAFFIC CONTROL UNIT (AATCU) (TOE 1-207H)

COMPOSITION

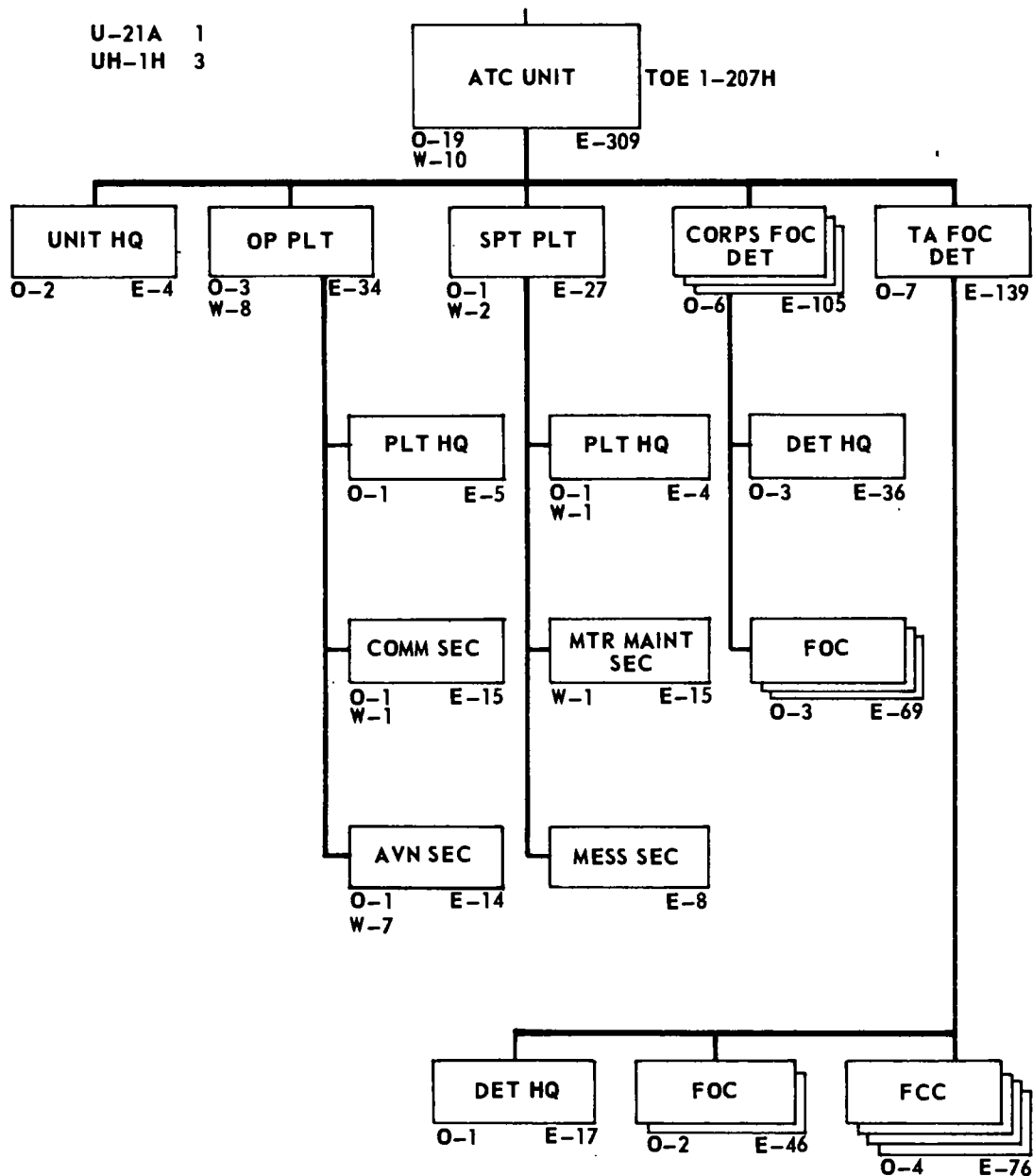


Figure 6-3. Army Aviation Air Traffic Control Unit (AATCU).

MISSION

The AATCU's mission is to provide enroute air traffic regulations, navigational aids, air warnings, other assistance to in-flight aircraft, and assistance to divisions in regulating air traffic in the forward areas.

ASSIGNMENT

There is one AATCU organic to the army component command.

CAPABILITIES

- Provides continuous regulation of aircraft operating in the Army air traffic control system.
- Provides emergency and routine weather information to aircraft in flight.
- Coordinates air traffic with other services and Allied Forces as required.
- Provides air warnings.
- Provides central planning and communications to integrate the divisions into the systems.
- Performs organizational maintenance on organic equipment.
- Assists in the defense of its area with the exception of the navigational teams who may be employed in areas devoid of friendly troops.

MOBILITY

- The AATCU is 75 percent mobile in its organic vehicles.
- It is 100 percent air transportable in US Air Force aircraft.

GENERAL

The AATCU provides control, navigation, assistance, and airway structuring throughout the army component command support area, and coordination with the corps flight operations centers (FOCs) to insure the safe, efficient handling of all air traffic in the system. Within the army component command service area, there is an FOC main and an FOC alternate. In addition, there are four flight coordination centers (FCCs) and six radio beacon teams. Each of the corps within the army component command contains one FOC and four beacon teams to provide these same services in their respective areas and to coordinate all appropriate traffic with the divisions. This employment results in an effective air traffic control system throughout the army component command. The unit deploys, by detachment, in the vicinity of the major command tactical operations centers (TOCs) or Army Air Defense Command Post (AADCP). The headquarters detachment, including the operations and support platoons, normally collocates with either the Army main or alternate FOC. The Army FOC detachment disperses FCCs throughout the army component command service area as required to supplement and extend the air traffic regulation capability. Navigation teams in both army component command and corps areas are located, where required, to establish an airways system.

CORPS FOC DETACHMENTS

Each corps FOC detachment consists of a detachment headquarters and personnel necessary to establish and operate an FOC and four navigation teams.

The detachment headquarters consists of the personnel required for the overall planning, control, and operation of the detachment. Close liaison with the AADCP and the TOC is maintained to insure the detachment is efficiently integrated into the corps scheme of operations and air defense plan. Depending upon the area and navigation assets within that area, each corps FOC detachment headquarters normally contains four navigation teams. They are positioned throughout the corps areas at designated points to furnish position fixing and other navigational assistance to aircraft in the air traffic control system. They operate and maintain the radio beacons and supporting generators on a schedule provided by detachment headquarters. Frequently, the teams will be located near lines of communications where telephones will suffice as a communications link with the FOC. When telephone systems are not available, portable radios will be required.

The FOC is composed of two separate facilities—the flight coordination central and a radio teletypewriter set—with associated personnel to operate on a continuous basis. These personnel provide control and assistance for all instrument and visual air traffic in the corps area.

THE ARMY FOC DETACHMENT

The Army FOC detachment consists of a detachment headquarters, two FOCs, and four FCCs.

The Army FOC detachment headquarters operation is similar to that of the corps FOC detachment headquarters except that there are more subunits to supervise. For centralized direction and control, six navigation teams are also contained in the detachment headquarters to support the army component command service area. Since the FOC which is designated *main* will be the most active, the detachment headquarters normally collocates with it. The FOC which is designated *alternate* will monitor air traffic regulations and be prepared to assume control on order of the detachment headquarters, or when the *main* FOC is out of operation. Should the air traffic be of sufficient volume, the alternate FOC has the capability of performing as a routine element of the ATC system. The detachment headquarters directs the emplacement and displacement of the FOC, FCC, and navigation teams throughout the army component command service area to implement the air traffic regulation system.

Each Army FOC is identical to the corps FOC and operates in the same manner as discussed above.

The FCCs are located throughout the army component command service area where they are best used as air traffic control and communications extensions of the FOC. The FCCs are not provided with a mess capability; therefore, this support is required from an adjacent unit which has that capability. The FCC may be collocated with a unit which operates a terminal control facility and provides enroute service to several airfields, or may be centrally located away from any airfield for communications purposes.

COMMUNICATIONS

Reliable communications are paramount for successful air traffic control functions, for providing weather data, and for air traffic administrative requirements. Communications for coordination are required at all echelons where the coordinating elements are not collocated. When possible, the FOC is collocated with the AADCP. Communications are also required for maintaining a continual flow of information between all system elements involved in air traffic control. Without reliable communications, the ATC system is completely ineffective. Communications for air traffic control are provided by the area communications system, except for internal radio nets. The ATC system has organic ground-to-air and ground-to-ground radios, secure teletypewriter communications, and sole-user and common-user telephone circuits to accomplish the mission. Wire and radio communications to connect the ATC system components with facilities of other services are also required. Communications are required for coordination between the TOC and FOC, appropriate TOC, Air Force control and reporting centers, and the AADCP.

PERSONNEL

ARMY AVN ATC UNIT (AATCU) (TOE 1-207H)

UNIT HQ

1	LTC	Unit Cdr	15A25
1	MAJ	XO	15A25
1	E-8	1SG	93L5M
1	E-5	Unit Clk	75B20
1	E-4	Clk-Typist	71B10
1	E-4	Veh Dvr	63B10

OP PLT HQ

1	MAJ	Plt Ldr	15A25
1	E-7	Flt Op SGT	71P40
1	E-7	Apch Con Ch	93J40
1	E-4	Flt Op SP	71P10
1	E-3	Flt Op SP	71P10
1	E-4	Gen Dftmn	81A10

COMM SEC

1	CPT	C-E Off	25A00
1	WO	C-E Rep Tech	286A0
1	E-7	Comm Ch	31G40
1	E-6	Ch RATT OP	05F30
1	E-6	Telecom Cen Supv	72E30
1	E-5	Wire Tm Ch	36K20
1	E-5	Sr Fld C-E Equip Mech	31B20
1	E-5	Sr Tt Equip Rpmn	31J20
1	E-4	Mat Supmn	76D10
1	E-4	Fld C-E Equip Mech	31B10
2	E-4	Tt Rpmn	31J10
1	E-4	Sr Tac Wire Op SP	36K10
3	E-3	Tac Wire Op SP	36K10
1	E-3	Mat Supmn	76D10

AVN SEC

1	CPT	Sec Ldr	15A00
1	WO	RW Inst Exam	100B6

AVN SEC (Cont)

2	WO	Pilot, U-21	100Q0
1	WO	RW Flt Safety Tech	100BB
2	WO	Pilot, UH-1	100B0
1	WO	RW IP	100BC
1	E-7	Sec Ch	67Z40
1	E-6	UH-1 Tech Insp	67N3F
1	E-5	Sr UH-1 Rpmn	67N20
1	E-5	U-21 CRC	67G2F
3	E-5	UH-1 CRC	67N2F
1	E-4	Mat Supmn	76D10
1	E-4	Acft Fuel Hdlg SP	76W10
1	E-4	Avionics Mech	35K10
1	E-4	UH-21 Rpmn	67G10
1	E-4	Acft Fuel Hdlr	76W10
1	E-4	UH-1 Rpmn	67N10
1	E-3	Acft Fuel Hdlr	76W10

SPT PLT HQ

1	CPT	Plt Ldr	15A00
1	WO	Unit Sup Tech	761A0
1	E-6	Sup SGT	76Y30
1	E-4	Armr	76Y10
1	E-4	Gen Supmn	76Y10
1	E-3	Gen Supmn	76Y10

MTR MAINT

1	WO	Autmv Maint Tech	631A0
1	E-7	Mtr SGT	63C40
1	E-6	Rep Fman	52D30
2	E-5	WVEH Mech	63B20
1	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	PLL Clk	76D10
3	E-4	WVEH Mech	63B10
1	E-4	Wkr Op	63B10
1	E-4	Equip Maint Clk	76D10
1	E-3	Pwr Genr Equip Helper	52B10
3	E-3	WVEH Mech	63B10

PERSONNEL

MESS SEC

1	E-7	Food Svc SGT	94B40
1	E-6	First Cook	94B30
1	E-5	Cook	94B20
3	E-4	Cook	94B10
2	E-3	Cook	94B10

CORPS FOC DET HQ

3	MAJ	Det Cdr	15A25
3	E-7	Apch Con Ch	93J40
12	E-5	Beacon Tm Ch	35K20
1	E-5	Gen Supmn	76Y20
3	E-4	Unit Clk	75B10
1	E-4	Flt Op SP	71P10
12	E-4	GP Pwr Genr Op/ Mech	52B10
1	E-4	Gen Supmn	76Y10
1	E-3	Gen Supmn	76Y10
2	E-3	Flt Op SP	71P10

CORPS FLT OP CEN

3	CPT	Flt Op Off	15A25
12	E-6	Apch Con Supv	93J30
6	E-5	RATT Tm Ch	05F20
8	E-5	Apch Con SP	93J20
8	E-4	Apch SP	93J10
6	E-4	Telecom Cen SP	72E10
3	E-4	GP Pwr Genr Op/ Mech	52B10
18	E-4	RATT Op	05F10
8	E-3	Apch SP	93J10

ARMY FOC DET HQ

1	MAJ	Det Cdr	15A25
1	E-7	Apch Con Ch	93J40
6	E-5	Beacon Tm Ch	35K20
1	E-5	Unit Clk	95B20
1	E-4	Flt Op SP	71P10
1	E-3	Flt Op SP	71P10
6	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	Gen Supmn	76Y10

ARMY FLT OP CEN

2	CPT	Flt Op Off	15A25
8	E-6	Apch Con Supv	93J30
4	E-5	RATT Tm Ch	05F20
5	E-5	Apch Con SP	93J20
6	E-4	Apch SP	93J10
4	E-4	Telecom Cen SP	72E10
2	E-4	GP Pwr Genr Op/ Mech	52B10
12	E-4	RATT Op	05F10
5	E-3	Apch SP	93J10

FLT COORD CEN

4	CPT	Flt Op Off	15A25
16	E-6	Apch Con Supv	93J30
4	E-5	RATT Tm Ch	05F20
10	E-5	Apch SP	93J20
11	E-4	Apch SP	93J10
8	E-4	Telecom Cen SP	72E10
4	E-4	GP Pwr Genr Op/ Mech	52B10
12	E-4	RATT Op	05F10
11	E-3	Apch SP	93J10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

AVN ATC UNIT (ARMY) (TOE 1-207H)

Hel, util: UH-1H	3
Genr: 15 kW	18
Airplane, util: U-21A	1
Genr: 7.5 kW, DC	1
Armt, subsys hel: 7.62mm	3
Genr: 5 kW, AC	15
Mg, 7.62mm: lt, door-mtd	6
Genr: 3 kW, DC	3
Mg, 7.62mm: lt flex w/mts	9
Genr: 1.5 kW, AC	17
Rifle: 5.56mm	308
Genr: 0.5 kW, AC	17
Revolver: cal .38	30
Intg, cmpt: KIR-14/TSEC	1
Lchr, gren: 40mm	11
Pwr sup: PP-2953/U & VEH Z-ACD	2
Rdo set: AN/VRC-46	2

Rdo set: AN/PRC-77	18
Rdo set: AN/PRC-90	9
Rdo set con gp: AN/GRA-39	1
RATT set: AN/GRC-122	14
Equip speech scty: TSEC/KY-38	1
Equip, speech scty (abn): TSEC/KY-28	4
Equip, elct tt scty: TSEC/KW-7	28
Trk, util: ¼-ton, 4x4	6
Tlr, cgo: ¼-ton	6
Transponder, cmpt: KIT-1A/TSEC	4
Trk, cgo: ¾-ton, 4x4	35
Tlr, cgo: ¾-ton	3
Trk, cgo: 2½-ton, 6x6	10
Tlr, cgo: 1½-ton	2
Tlr, tk: water, 400-gal	1
Trk, cgo: 5-ton, 6x6	1
Trk, wkr: 5-ton, 6x6	1
Trk, tk: fuel svc, 2½-ton	1
Tlr, acft maint: 4-whl	1

ATTACK HELICOPTER COMPANY (NONDIVISIONAL) (TOE 17-111H)

COMPOSITION

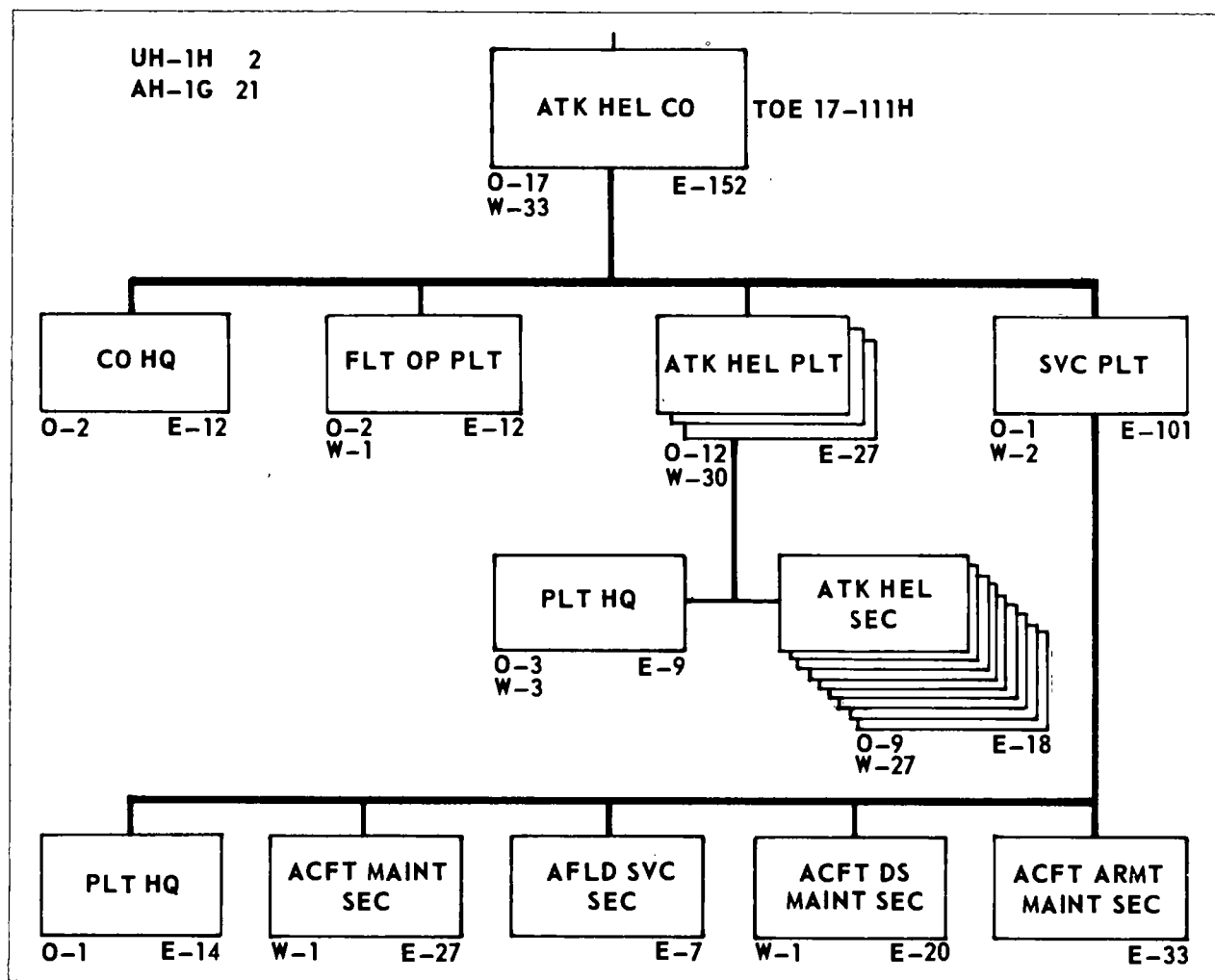


Figure 6-4. Attack Helicopter Company (Nondivisional).

MISSION

The mission of the company is to increase the combat effectiveness of the unit to which assigned or attached by habitually employing antiarmor weapons against armor and mechanized targets in offensive and defensive operations.

ASSIGNMENT

This company is assigned to corps, separate aviation battalions, air cavalry squadrons, and separate task forces, as required.

CAPABILITIES

- Provides effective, quick reaction, direct aerial fires in conjunction with maneuver elements.
- Provides direct aerial fires against enemy mechanized/armor forces.
- Provides aerial overwatch and suppressive fires in conjunction with airmobile operations.
- Provides suppressive fires in conjunction with the airlanded force during its maneuver phase.
- Provides suppressive fires in conjunction with the reconnaissance and security elements of the airlanded force.
- Performs full aviation unit maintenance on organic aircraft and avionics.

MOBILITY

- For the purpose of tactical movement, this unit is 90 percent mobile in its organic vehicles and aircraft.
- This unit is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The attack helicopter company is employed within the corps area as in the roles discussed in appendix C. The company may be assigned to a combat aviation battalion as shown in figure 7-1 or placed under the operational control of a separate task force commander as required.

PERSONNEL**ATK HEL CO (NONDIV), (TOE 17-111H)****CO HQ**

1	MAJ	Co Cdr	15A00
1	CPT	XO	15A00
1	E-8	1SG	67Z5M
1	E-7	Food Svc SGT	94B40
1	E-6	Sup SGT	76Y30
1	E-6	First Cook	94B30
1	E-5	Unit Clk	75B20
1	E-4	Armr	76Y10
2	E-4	Cook	94B10
1	E-3	Cook	94B10
1	E-4	Veh Dvr	76Y10
1	E-3	Gen Supmn	76Y10
1	E-5	Cook	94B20

FLT OP PLT

1	CPT	Op Off	15A00
1	LT	Flt Op Off	15A00
1	E-7	Flt Op Ch	71P40
1	E-6	Comm Ch	31G40
1	E-5	UH-1 CRC	67N2F
1	E-4	Fld C-E Equip Mech	31B10
1	E-4	Clk-Typist	71B10
1	E-4	Flt Op SP	71P10
1	E-4	Sr Fld Swbd Op	36K10
1	E-4	Sr Rdo Op	05E10
1	E-3	Rdo Op	05E10
1	E-3	Fld Swbd Op	36K10
1	E-3	Tac Wire Op SP	36K10
1	WO	RW Pilot, UH-1	100B0
1	E-3	Flt Op SP	71P10

ATK HEL PLT HQ

3	CPT	Plt Ldr	15A00
1	WO	RW Inst Exam	100E6
1	WO	RW Pilot, Atk: AH-1G	100E0
3	E-7	Plt SGT	67Y40
3	E-5	AH-1G CRC	67Y20
1	E-4	Veh Dvr	67Y10
2	E-3	Veh Dvr	67Y10
1	WO	RW Flt Safety Tech	100EB

ATK HEL SEC

9	LT	Sec Ldr	15A00
24	WO	RW Pilot, Atk: AH-1G	100E0
18	E-5	CRC	67Y20
3	WO	RW IP	100E6

SVC PLT HQ

1	CPT	Plt Ldr	71A00
1	E-7	Plt SGT	67Y40
1	E-6	Mtr SGT	63B30
1	E-5	WVEH Mech	63B20
2	E-4	GP Power Genr Op/ Mech	52B10
4	E-4	WVEH Mech	63B10
1	E-4	Wkr Op	63B10
2	E-3	Pwr Genr Equip Helper	52B10
1	E-4	PLL Clk	76D10
1	E-3	WVEH Mech Helper	63B10

ACFT MAINT SEC

1	WO	Acft Rep Tech	100ER
1	E-6	Sec Ch	67Y40
6	E-5	Sr UH-1 Rpmn	67Y20
6	E-4	AH-1G Rpmn	67Y10
1	E-4	UH-1 Rpmn	67N10
2	E-3	AH-1 Maint Helper	67Y10
1	E-6	UH-1 Tech Insp	67N3F
2	E-6	AH-1G Tech Insp	67Y3F
2	E-5	Mat Supmn	76D20
1	E-5	Sr Avionics Mech	35K20
2	E-4	Mat Supmn	76D10
2	E-3	Mat Sup Clk	76D10
1	E-4	Avionics Mech	35K10

AFD SVC SEC

1	E-5	Afd Svc Supv	67Y20
2	E-5	Acft Fuel Hdlg SP	76W20
2	E-4	Acft Fuel Hdlg SP	76W10
2	E-3	Petr Sup Hdlr	76Y10

ACFT DS MAINT SEC

1	WO	Acft Rep Tech	103AE
1	E-7	Maint Supv	67Z50

PERSONNEL

ACFT DS MAINT SEC (Cont)

1	E-5	Sr Acft Sgl Turb Eng Rpmn	68B20
1	E-5	Sr AFRMRpmn	68G20
2	E-5	Sr AH-1G Rpmn	67Y20
1	E-4	Acft Rotor Rpmn	68G10
3	E-4	AH-1 Rpmn	67Y10
1	E-4	Acft Elec	68F10
1	E-4	Acft Sgl Turb Eng Rpmn	68B10
2	E-4	AFRM Rpmn	68G10
1	E-6	Hel Tech Insp	67W3F
1	E-4	Mat Supmn	76D10
1	E-4	UH-1 Rpmn	67N10
1	E-4	Acft Hyd Rpmn	68H10

ACFT DC MAINT SEC (Cont)

1	E-4	Acft PWTN Rpmn	68D10
1	E-3	AH-1G Maint Helper	67Y10
1	E-5	Sr Acft Rotor Rpmn	68E20

ACFT ARMT MAINT SEC

1	E-7	Acft Armt Subsys Supv	68M40
10	E-5	Sr Acft Subsys Mech	68M20
2	E-4	Veh Dvr	63B10
14	E-4	Acft Armt Subsys Mech	68M10
2	E-4	Ammo Stor SP	55B10
2	E-3	Veh Dvr	63B10
2	E-3	Ammo Stor Asst	55B10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

ATK HEL CO (NONDIV), (TOE 17-111H)

Crane, whl-mtd: 3-ton	1
Hel, util: UH-1H	2
Equip, rfl: fwd area, FARE sys	4
Hel, atk: AH-1G	21
Genr: 0.5 kW, AC	1
Armt, sybsys hel: 7.62mm, lt flex w/mts	9
Genr: 1.5 kW, AC	9
Genr: 3 kW, DC	5
Genr: 5 kW, AC	2
Armt, subsys hel: 20mm auto gun	3
Genr: 7.5 kW, DC	3
Lchr, rkt acft: M65, 2.75-inch	30
Intg, cmpt: KIR-1A/ TSEC	2
Lchr, rkt acft: 2.75-inch, 19-tube	45
Lchr, gren: 40mm	21
Rdo set: AN/VRC-24	1
Lchr, gren: 40mm, rifle	6
Rdo set: AN/VRC-46	1
Goggles, night vision: PVS-5	22
Rdo, set: AN/VRC-47	2
Mg, 7.62mm: 6-bbl	33
Rdo set: AN/VRC-64	3

Mg, 7.62mm: acft lt, door-mtd	4
Rdo set: AN/PRC-77	3
Rdo set: AN/PRC-90	46
Rdo set: AN/GRC-106	1
Rdo set con gp: AN/GRA-39	4
Rcvr-trans con gp: AN/GRA-6	1
Revolver: .38 Sp	55
Rifle: 5.56mm	147
Equip, speech scty (abn): TSEC/KY-28	23
Equip, speech scty: TSEC/KY-38	3
Transponder, cmpt: KIT-1A/TSEC	23
Trk, util: ¼-ton	3
Tlr, cgo: ¼-ton	3
Trk, cgo: ¾-ton, 4x4	7
Tlr, cgo: ¾-ton	6
Trk, cgo: 2½-ton, 6x6	8
Tlr, cgo: 1½-ton	11
Trk, plat util: ½-ton, 4x4	3
Trk, wkr: 5-ton, 6x6	1
Trk, cgo: 5-ton, 6x6	8
Tlr, ammo: 1½-ton	4
Tlr, tk: water, 400-gal	1
Trk, FLFT: 3,000-lb	1

ASSAULT HELICOPTER COMPANY (NONDIVISIONAL) (TOE 7-357H)

COMPOSITION

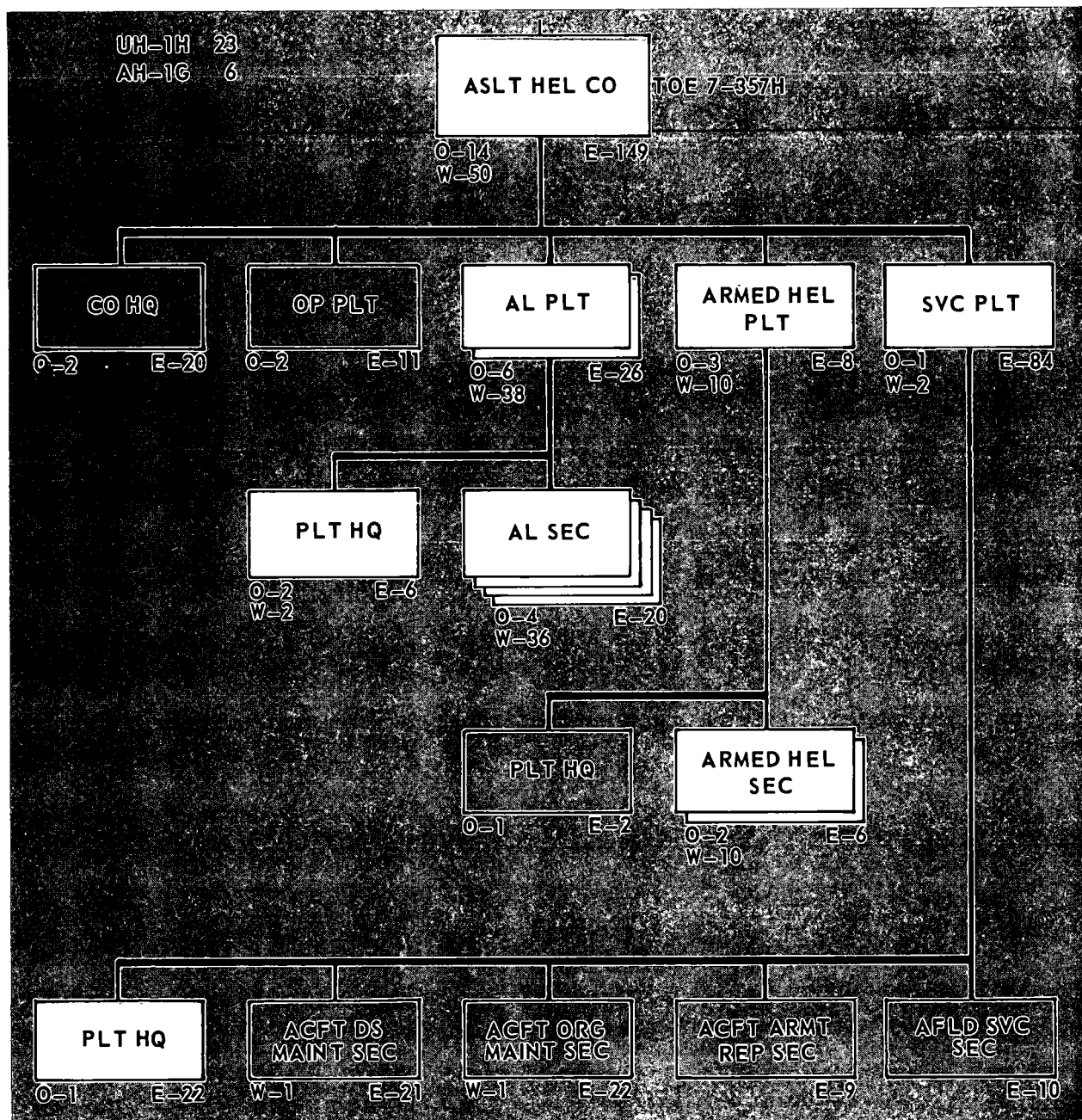


Figure 6-5. Assault Helicopter Company (Nondivisional).

MISSION

The mission of the nondivisional assault helicopter company is to provide tactical airmovement of troops, supplies, and equipment within the combat zone.

ASSIGNMENT

The company is assigned to the corps on a requirement basis. Normally, it is attached to a combat aviation battalion (chap 7).

CAPABILITIES

- Provides continuous operations during visual weather conditions and limited operations under instrument weather conditions in support of combat forces.
- Under conditions permitting optimum utilization of personnel and equipment, provides—in a single lift—airlift for the assault elements of one infantry or dismounted mechanized infantry company.
- Provides aerial movement of supplies and equipment within the combat zone.
- Augments aeromedical capability of medical air ambulance units.
- Provides aerial overwatch for organic airlift platoons during movement, combat assault, or combat extraction.
- This unit has full aviation unit maintenance (AVUM) capability, less electrical and hydraulics repair.

MOBILITY

- For the purpose of tactical movement, this unit is 100 percent mobile in organic vehicles and aircraft.
- This unit is 100 percent air transportable in US Air Force aircraft.

NOTE: To preclude excess disassembly, the unit helicopters should be airlifted in Air Force C5A or C133A aircraft.

EMPLOYMENT

The nondivisional assault helicopter company is located and employed at the discretion of the corps commander as the tactical situation dictates. The company is normally assigned to a combat aviation battalion as depicted in figure 7-1 and may be placed in direct support of a separate brigade or to reinforce a divisional assault helicopter company if necessary. Additionally, it may be placed in the role of general support of the corps. The company is never held in reserve; it is continuously placed in one of the supporting roles of corps assets. The nondivisional assault helicopter companies are located at heliports throughout the corps area, normally in close proximity to the ground force elements it is supporting. The company can be employed intact or by platoon, section, or single aircraft, as the tactical requirements dictate.

The airlift platoons are afforded aerial overwatch and suppressive fires by the armed helicopter platoons organic to the company. The armed helicopter platoon's roles also include preparatory fires at the landing zones as needed during air assault operations.

PERSONNEL

ASLT HEL CO (NONDIV) (TOE 7-357H)				OP PLT			
CO HQ							
1	MAJ	Co Cdr	15A00	1	CPT	Op Off	15A00
1	CPT	XO	15A00	1	LT	Flt Op Off	15A00
1	E-8	1SG	67Z5M	1	E-5	Flt Op Ch	71P20
1	E-7	Food Svc SGT	94B40	1	E-6	Comm Ch	31G30
1	E-6	Mtr SGT	63B30	1	E-4	Flt Op SP	71P10
1	E-6	Sup SGT	76Y30	1	E-4	Fld C-E Equip Mech	31B10
1	E-6	First Cook	94B30	1	E-3	Flt Op SP	71P10
1	E-5	Unit Clk	75B20	1	E-4	Rept Clk	71B10
1	E-5	Cook	94B20	1	E-4	Sr Rdo Op	05E10
1	E-5	WVEH Mech	63B20	1	E-4	Sr Fld Swbd Op	36K10
1	E-4	Armr	76Y10	1	E-3	Tac Wire Op SP	36K10
2	E-4	Cook	94B10	1	E-3	Rdo Op	05E10
1	E-4	PLL Clk	76D10	1	E-3	Fld Swbd Op	36K10
2	E-4	WVEH Mech	63B10	AL PLT HQ			
1	E-4	Wkr Op	63B10	2	CPT	Plt Ldr	15A00
1	E-3	Cook	94B10	2	WO	RW Inst Exam	100B6
1	E-3	Veh Dvr	67N10	2	E-7	Plt SGT	67Z40
1	E-3	Gen Supmn	76Y10	2	E-5	UH-1 CRC	67N2F
2	E-3	WVEH Mech	63B10	2	E-4	Veh Dvr	67N10

PERSONNEL

AL SEC

4	LT	Sec Ldr	15A00
33	WO	Pilot, UH-1	100B0
20	E-5	UH-1 CRC	67N2F
1	WO	RW Flt Safety Tech	100BB
2	WO	RW IP	100BC

ARMED HEL PLT HQ

1	CPT	Plt Ldr	15A00
1	E-7	Plt SGT	67Z40
1	E-4	Veh Dvr	67N10

ARMED HEL SEC

2	LT	Sec Ldr	15A00
9	WO	Pilot, AH-1G	100E0
6	E-5	AH-1G CRC	67N2F
1	WO	RW IP	100EC

SVC PLT HQ

1	CPT	Plt Ldr	71A00
1	E-7	Plt SGT	67Z40
3	E-5	Sr Avionics Mech	35K20
2	E-5	Mat Supmn	76D20
1	E-5	UH-1 CRC	67N2F
1	E-4	Equip Maint Clk	76D10
2	E-4	GP Pwr Genr Op/Mech	52B10
3	E-4	Mat Supmn	76D10
3	E-4	Avionics Mech	35K10
1	E-4	Lt Veh Dvr	67N10
2	E-3	Pwr Genr Equip Helper	52B10
3	E-3	Mat Supmn	76D10

ACFT DS MAINT SEC

1	WO	Avn Tech	103AE
1	E-7	Maint Supv	67Z40
1	E-4	Acft Elec	67F10
1	E-5	Sr Acft Sgl Trb Eng Rpmn	68B20
1	E-5	Sr Acft Rotor Rpmn	68G20
1	E-5	Sr AH-1G Rpmn	67Y20

ACFT DS MAINT SEC (Cont)

1	E-5	Sr AFRM Rpmn	68G20
2	E-5	Sr UH-1 Rpmn	67N20
1	E-4	Acft PWTN Rpmn	68D10
1	E-4	Acft Rotor Rpmn	68G10
1	E-4	Acft Sgl Trb Eng Rpmn	68B10
1	E-4	AH-1G Rpmn	67Y10
2	E-4	AFRM Rpmn	68G10
3	E-4	UH-1 Rpmn	67N10
1	E-3	UH-1 Maint Helper	67N10
1	E-6	Hel Tech Insp	67W3F
1	E-4	Acft Hyd Rpmn	67G10
1	E-4	Mat Supmn	76D10

ACFT ORG MAINT SEC

1	WO	Acft Rep Tech	100BR
1	E-7	Maint Supv	67Z40
2	E-5	Sr AH-1G Rpmn	67Y20
5	E-5	Sr UH-1 Rpmn	67N20
2	E-4	AH-1G Rpmn	67Y10
6	E-4	UH-1 Rpmn	67N10
2	E-3	UH-1 Maint Helper	67N10
3	E-6	UH-1 Tech Insp	67N3F
1	E-6	AH-1G Tech Insp	67Y3F

AFLD SVC SEC

1	E-6	Afld Svc Supv	67N30
3	E-5	Acft Fuel Hdlr	76W20
3	E-4	Acft Fuel Hdlr	76W10
3	E-3	Acft Fuel Hdlr	76W10

ACFT ARMT REP SEC

1	E-6	Acft Armt Subsys SGT	68M30
3	E-5	Sr Acft Armt Subsys Mech	68M20
4	E-4	Acft Armt Subsys Mech	68M10
1	E-4	Ammo Stor Asst	55B10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

ASLT HEL CO (NONDIV) (TOE 7-357H)			
Crane, whl-mtd: 3-ton	1	Rdo set: AN/VRC-47	2
Hel, util: UH-1H	23	Pwr sup: PP-2953/U & VEH Z-ACD	3
Equip, rfl: fwd area, FARE sys	6	Rdo set: AN/PRC-77	3
Hel, atk: AH-1G	6	Rdo set: AN/PRC-90	58
Genr: 0.5 kW, AC	3	Rdo set: AN/GRC-160	4
Genr: 1.5 kW, AC	8	Rdo set con gp: AN/GRA-39	1
Genr: 3 kW, DC	2	Equip, speech scty: TSEC/KY-38	2
Genr: 5 kW, AC	2	Equip, speech scty (abn):	
Armt, subsys hel: 20mm auto gun	2	TSEC/KY-28	29
Genr: 7.5 kW, DC	4	Transponder, cmpt: KIT-1A/TSEC	29
Mg, 7.62mm: acft door-mtd	40	Trk, util: ½-ton, 4x4	1
Intg, cmpt: KIR-1A/TSEC	2	Tlr, cgo: ¼-ton	1
Lchr, gren acft: 40mm	6	Trk, cgo: ¾-ton, 4x4	8
Lchr, gren: 40mm	6	Tlr, cgo: ¾-ton	7
Lchr, rkt acft: 2.75-inch, 19-tube, rep	15	Trk, cgo: 2½-ton, 6x6	8
Mg, 7.62mm: 6-bbl	10	Tlr, cgo: 1½-ton	9
Mg, 7.62mm: acft lt, door-mtd	46	Trk, plat util: ½-ton, 4x4	1
Mg, 7.62mm: lt flex w/mts	2	Trk, cgo: 5-ton, 6x6	5
Goggles, night vision: PVS-5	1	Tlr, ammo: 1½-ton	4
Rifle: 5.56mm	135	Tlr, tk: water, 400-gal	1
Revolver: cal .38	93	Trk, cgo: dropside, 5-ton, 6x6	4
Rdo set: AN/VRC-24	1	Trk, trac: 5-ton, 6x6	2
		Trk, trac: wkr, 5-ton, 6x6	1
		Trk, FLFT: 10,000-lb, RT	1

ASSAULT SUPPORT HELICOPTER COMPANY (NONDIVISIONAL) (TOE 1-258H)

The separate assault support helicopter company in the corps aviation assets is normally organized under TOE 1-258H. The organization, mission, capabilities, and employment are basically the same as that discussed in appendix D of this book. One or more of these companies may be assigned to the combat aviation battalion as shown in figure 7-1 or may be assigned directly under the control of the combat aviation group. In any event, it is normally placed in the role of general support of the corps.

ARMY AVIATION COMPANY (NONDIVISIONAL) (TOE 1-137H)

COMPOSITION

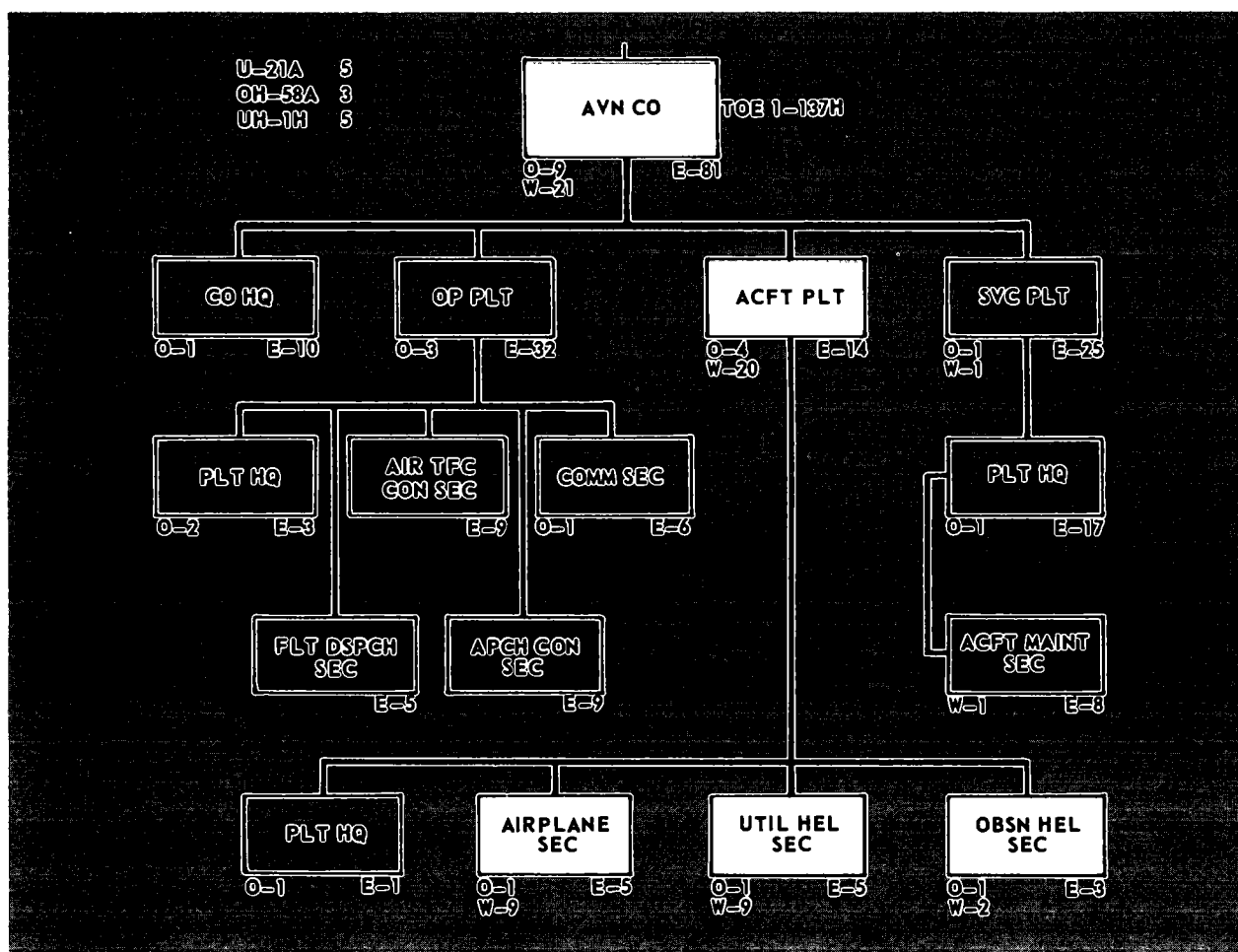


Figure 6-6. Army Aviation Company (Nondivisional).

MISSION

The company's mission is to provide the army component command headquarters and subordinate elements with immediately available Army aviation support and IFR terminal control facilities.

ASSIGNMENT

One Army aviation company is assigned to the army component command headquarters on a need basis.

CAPABILITIES

- Provides airmovement of high priority personnel and emergency aerial resupply of critical parts and supplies.
- Provides aerial transportation for army component command commander and staff.
- Provides facilities for the operation of an instrumented airfield within the army component command.
- Provides aircraft for column control; radio relay and messenger service; radiological survey; road net reconnaissance; and traffic survey.
- Provides communications and airfield service for the Army airfield.
- Provides augmentation of Army air ambulance resources by airmovement of sick and wounded personnel when requested by medical authority.

MOBILITY

- The Army aviation company is 75 percent mobile in organic aircraft and vehicles.
- The company is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

This company is normally collocated with the army component command headquarters to facilitate support of the army component command commander and his staff. The company establishes and operates the airfield servicing the army component command headquarters. The aircraft are maintained at the company airfield and are dispatched on a mission basis.

PERSONNEL**ARMY AVN CO (NONDIV) (TOE 1-137H)****CO HQ**

1	MAJ	Co Cdr	15A00
1	E-8	1SG	67Z5M
1	E-6	Food Svc SGT	94B40
1	E-6	Sup SGT	76Y40
1	E-5	First Cook	94B20
1	E-5	Unit Clk	75B20
1	E-5	Cook	94B20
1	E-4	Armr	76Y10
2	E-4	Cook	94B10
1	E-4	Veh Dvr	67N10

OP PLT HQ

1	CPT	Op Off	15A00
1	LT	Flt Op Off	01982
1	E-7	Flt Op Ch	71P40
1	E-4	Flt Op SP	71P10
1	E-4	Veh Dvr	67N10

FLT DSPCH SEC

1	E-5	Flt Op Ch	71P20
2	E-4	Flt Op SP	71P10
2	E-3	Flt Op SP	71P10

ATC SEC

1	E-6	Sec Ch	93H30
2	E-5	ATC Tower Op	93H20
3	E-4	ATC Tower Op	93H10
3	E-3	ATC Tower Op	93H10

APCH CON SEC

1	E-6	GCA Supv	93J30
3	E-4	GCA SP	93J10
3	E-3	GCA SP	93J10
2	E-5	GCA SP	93J20

COMM SEC

1	LT	C-E Off	25A72
1	E-6	Comm Ch	31G30
1	E-6	Sr GCA Rdr Rpmn	26D30
1	E-4	Fld C-E Equip Mech	31B10
1	E-4	Sr Fld Swbd Op	36K10
1	E-3	Fld Swbd Op	36K10
1	E-3	Tac Wire Op SP	36K10

ACFT PLT HQ

1	CPT	Plt Ldr	15A00
1	E-7	Plt SGT	67Z40

AIRPLANE SEC

1	LT	Sec Ldr	15A00
1	WO	RW Inst Exam	100B6
7	WO	Pilot, U-21	100Q0
5	E-5	U-21 CRC	67G2F
1	WO	FW IP	100Q0

OBSN HEL SEC

1	LT	Sec Ldr	15A00
2	WO	Pilot, OH-58	100G0
3	E-5	OH-58 CRC	67V20

UTIL HEL SEC

1	LT	Sec Ldr	15A00
1	WO	RW IP	100BC
7	WO	Pilot, UH-1	100B0
5	E-5	UH-1 CRC	67N2F
1	WO	Flt Safety Tech	100BB

SVC PLT HQ

1	CPT	Plt Ldr	71A00
1	E-7	Plt SGT	67Z40
1	E-6	Mtr SGT	63B30

PERSONNEL**SVC PLT HQ (Cont)**

1	E-6	Hel Tech Insp	67W3F
1	E-6	U-21 Tech Insp	67G3F
1	E-5	Mat Supmn	76D20
2	E-4	PLL Clk	76D10
2	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	WVEH Mech	63B10
1	E-4	Wkr Op	63B10
1	E-5	Clk	71B20
1	E-3	Pwr Genr Equip Helper	52B10
2	E-3	WVEH Mech	63B10

SVC PLT HQ (Cont)

1	E-3	Mat Supmn	76D10
1	E-4	Acft Fuel Hdlr	76W10
ACFT MAINT SEC			
1	WO	Acft Rep Tech	100BR
1	E-6	Maint Supv	67N30
1	E-5	Sr U-21 Rpmn	67G20
1	E-5	Sr UH-1 Rpmn	67N20
1	E-4	Avionics Mech	35K10
2	E-4	U-21 Rpmn	67G10
2	E-4	UH-1 Rpmn	67N10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**ARMY AVN CO (NONDIV) (TOE 1-137H)**

Airplane, util: U-21A	5
Rdo set, beacon: TRN-30	1
Hel, obsn: OH-58A	3
Comd console: ASC-15	2
Hel, util: UH-1H	5
Genr: 10 kW, AC	2
Genr: 7.5 kW, DC	2
Mg, 7.62mm: acft, lt door-mtd	10
Genr: 5 kW, AC	1
Mg, 7.62mm: lt flex w/mts	6
Genr: 3 kW, DC	2
Rifle: 5.56mm	70
Genr: 1.5 kW, AC	10
Revolver: cal .38	41
Genr: 0.5 kW, AC	2
Lchr, gren: 40mm	6
Pwr sup: PP-2953/U & VEH Z-ACD	3

Rdo set: AN/VRC-46	2
Rdo set: AN/PRC-90	31
Rdo set: AN/GRC-160	1
Equip, speech scty: TSEC/KY-38	1
Equip, speech scty (abn): TSEC/KY-28	19
Trk, util: ½-ton, 4x4	2
Tlr, cgo: ¼-ton	2
Trk, cgo: ¾-ton, 4x4	3
Tlr, cgo: ¾-ton	2
Trk, cgo: 2½-ton, 6x6	6
Tlr, cgo: 1½-ton	3
Acft con cen ATC: AN/TSQ-70A	1
Ldg con cen ATC: AN/TSQ-71A	1
Transponder, cmpt: KIT-1A/TSEC	13
Trk, wkr: 5-ton, 6x6	1
Trk, tk: fuel svc 2½-ton	1
Tlr, tk: water, 400-gal	1
Tlr, acft maint (ambl)	1

HEAVY HELICOPTER COMPANY (NONDIVISIONAL) (TOE 55-259H)

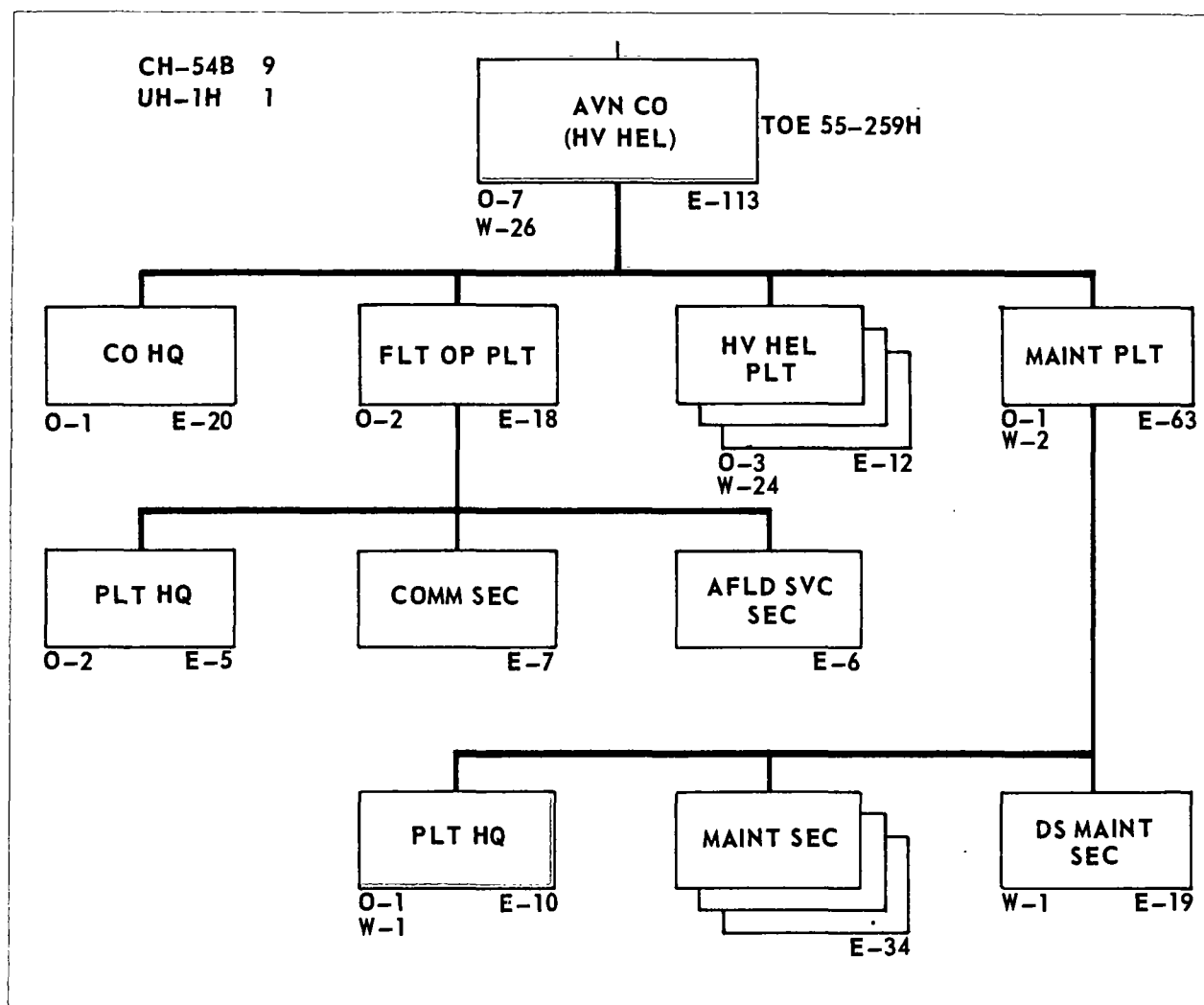
COMPOSITION

Figure 6-7. Heavy Helicopter Company (Nondivisional).

MISSION

The mission of the company is to provide combat service support airlift for movement of heavy supplies, vehicles, aircraft, and equipment, and—as directed—to provide combat support airlift of combat units and air supply of units engaged in combat operations.

ASSIGNMENT

The heavy helicopter company is normally attached to a combat aviation group at corps or army component command level as requirements dictate. Normally, there is one such company per aviation group.

CAPABILITIES

- Transports heavy lift items within a 100-mile radius under day, night, or limited visibility conditions.
- Provides aerial mobility and aerial supply and resupply of combat forces in the combat zone.
- Provides movement of specialist teams, critical items, and critical supplies and parts.
- Performs full aviation unit maintenance (AVUM) on organic aircraft.

MOBILITY

- For the purpose of tactical movement, this unit is 90 percent mobile in organic vehicles and aircraft.
- When the unit displaces, additional 5-ton tractors from a transportation light medium truck company are required to move the unit's organic semi-trailers.
- This company is 100 percent air transportable in US Air Force C133A and C5A aircraft.

EMPLOYMENT

The heavy helicopter company basically delivers retail bulk supplies. It may often be used for loading and unloading container ships to rapidly clear port facilities or for over-the-shore operations. The company delivers and evacuates vehicles, aircraft containerized loads, and outsized equipment. Additionally, the unit increases the ground mobility of combat forces in other ways. For example, bridge construction can be rapidly increased by using the CH-54 to emplace assembled sections or transporting floats. The CH-54 can perform a wide variety of missions which have significant impact on the overall logistics system.

PERSONNEL**HV HEL CO (NONDIV) (TOE 55-259H)****CO HQ**

1	MAJ	Co Cdr	15A00
1	E-8	1SG	67Z5M
1	E-7	Food Svc Mgr	94B40
1	E-6	Sup SGT	76Y30
1	E-6	Mtr SGT	63B30
1	E-6	First Cook	94B30
1	E-5	Unit Clk	75B20
1	E-5	Cook	94B20
1	E-5	WVEH Mech	63B20
1	E-4	Armr	76Y10
2	E-4	Cook	94B10
2	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	WVEH Mech	63B10
1	E-4	Wkr Op	63B10
1	E-4	Pwr Genr Equip Helper	52B10
1	E-3	Sup Clk	76Y10
2	E-3	WVEH Mech Helper	63B10
1	E-3	Lt Veh Dvr	63B10

FLT OP PLT HQ

1	CPT	Plt Cdr	15A00
1	LT	Flt Op Off	15A00
1	E-7	Plt SGT	71P40
1	E-4	Flt Op SP	71P10
1	E-4	Clk-Typist	71B10
2	E-3	Flt Op SP	71P10

COMM SEC

1	E-6	Comm Ch	31G30
1	E-5	RATT Tm Ch	05F20

COMM SEC (Cont)

1	E-4	Fld C-E Equip Mech	31B10
2	E-4	RATT Op	05F10
1	E-4	Sr Fld Swbd Op	36K10
1	E-3	Fld Swbd Op	36K10

AFLD SVC SEC

1	E-5	Sec Ch	67X20
2	E-5	Acft Fuel Hdlr	76W20
2	E-4	Acft Fuel Hdlr	76W10
1	E-3	Acft Fuel Hdlr	76W10

HV HEL PLT

3	CPT	Plt Cdr	15A00
1	WO	RW IP	100DC
21	WO	Hel Pilot	100D0
9	E-6	Flt Engr	67X3F
3	E-3	Lt Veh Dvr	67X10
1	WO	RW Flt Safety Tech	100DB
1	WO	RW IP	100DC

MAINT PLT HQ

1	CPT	Plt Cdr	71A00
1	WO	Acft Maint Tech	100DR
1	E-7	Plt SGT	67X40
2	E-6	CH-54 Tech Insp	67X3F
1	E-5	Sr Avionics Mech	35K20
1	E-5	UH-1 CRC	67N2F
1	E-4	Avionics Mech	35K10
2	E-4	Mat Sup SP	71D10
1	E-4	Equip Maint Clk	76D10
1	E-4	FLFT Op	62M10

PERSONNEL

MAINT SEC

3	E-6	Sec Ch	67X30
12	E-5	Sr CH-54 Rpmn	67X20
12	E-4	CH-54 Rpmn	67X10
6	E-3	CH-54 Maint Helper	67X10
1	E-4	UH-1 Rpmn	67N10

DS MAINT SEC

1	WO	Avn Tech	103A0
1	E-7	Maint Supv	67Z40
1	E-6	Shop Fman	67X30
3	E-5	Sr CH-54 Rpmn	67X20

1	E-5	Acft Inst Rpmn	68F20
3	E-4	CH-54 Rpmn	67X10
1	E-4	Acft Multi-Eng Rpmn	68B10
1	E-4	Acft PWTN Rpmn	68D10
1	E-4	Acft Rotor Rpmn	68G10
1	E-4	Acft Elec Rpmn	68F10
1	E-4	AFRM Rpmn	68G10
1	E-4	Hyd Rpmn	68H10
1	E-3	CH-54 Maint Helper	67X10
1	E-3	Toolroom Keeper	67X10
1	E-6	Hel Tech Insp	67W3F
1	E-4	Mat Sup SP	76D10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

HEAVY HEL CO (NONDIV) (TOE 55-259H)

Genr: 0.5 kW, AC	1
Hel, cgo transport: CH-54B	9
Genr: 1.5 kW, AC & DC	6
Hel, util: UH-1H	1
Genr: 3 kW, DC	1
Mg, 7.62mm: lt flex w/mts	12
Genr: 5 kW, DC	3
Lchr, gren: M203 for XM16E1 rifle	1
Genr: 7.5 kW, DC	1
Rifle: 5.56mm	101
Intg, cmpt: KIR-1A/TSEC	1
Revolver: cal .38	45
Pwr sup: VEH Z-ACD	1
Rdo set: AN/VRC-46	5
Rdo set: AN/VRC-47	1
Rdo set: AN/VRC-64	1
Rdo set: AN/PRC-90	20
Rdo set: AN/GRC-106	1
Rdo set con gp: AN/GRA-39	3
Rdo set con gp: AN/GRA-74	1
RATT set: AN/GRC-142	1

Rcvr-trans con gp: AN/GRA-6	1
Equip, speech scty (abn):	
TSEC/KY-28	10
Equip, speech scty: TSEC/KY-38	1
Equip, elct tt scty: TSEC/KW-7	1
Transponder, cmpt: KIT-1A/TSEC	10
Trk, util: ¼-ton, 4x4	7
Tlr, cgo: ¼-ton	6
Trk, cgo: ¾-ton, 4x4	2
Tlr, cgo: ¾-ton	2
Trk, plat util: ½-ton, 4x4	2
Trk, cgo: 2½-ton, 6x6	6
Tlr, cgo: 1½-ton	4
Trk, fuel svc: 2½-ton, 6x6	2
Trk, trac: 5-ton, 6x6	2
Tlr, plat whs: 6,000-lb	3
Trac whl acft towing: 100,000-lb	1
Trac, whl whs: 4,000-lb	1
Trk, trac wkr: 5-ton, 6x6	1
Trk, FLFT: 10,000-lb	1
Tlr, tk: water, 400-gal	1
Stlr, tk: fuel svc, 5,000-gal	1
Stlr, low-bed: wkr, 12-ton	1
Stlr, van: stor, 6-ton	2

CHAPTER 7

BATTALION, GROUP, AND BRIGADE

COMBAT AVIATION BATTALION (NONDIVISIONAL)

Unlike its divisional counterpart, the nondivisional aviation battalion has no set TOE. It exists only as a headquarters company on paper until needed to provide command and control for three to seven of the separate aviation companies discussed in chapter 6. Depending on its assigned mission, logistical or tactical transport, it may be assigned under the corps support command (COSCOM), the corps headquarters, or to a combat aviation group as illustrated in figure 7-3.

If the battalion's mission is logistical support, it would normally be composed of a preponderance of assault support helicopter companies (fig D-1) with possibly a heavy helicopter company (fig 6-7) and be assigned to the COSCOM. In this role, it would operate in

general support of the corps and provide wholesale delivery of logistical supplies throughout the corps area.

In the tactical transport role, the battalion normally would be composed primarily of attack (fig 6-4) and assault (fig 6-5) helicopter companies as shown in figure 7-1. This type battalion may be placed under the operational control of a division or separate brigade for a specific operation or provide any of the support missions associated with aviation. However, when employing the attack helicopter company, it should be kept in mind that it is a combat maneuver unit and is designed to be integrated in the combined arms operations. It should be employed as a unit and not fragmented.

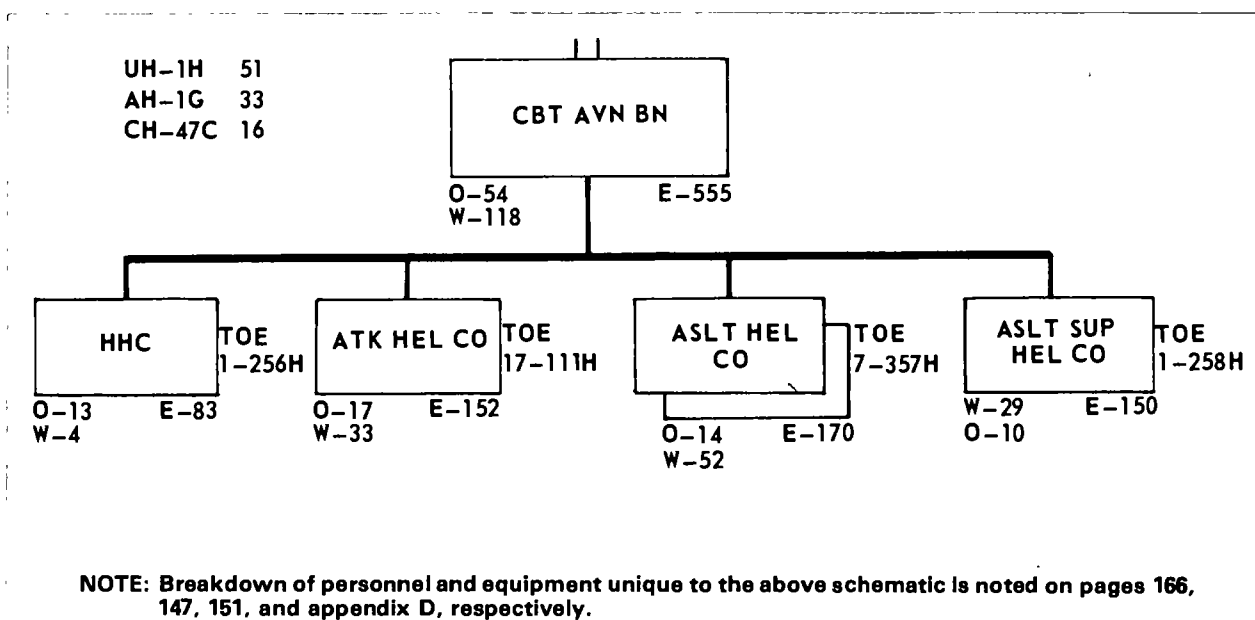


Figure 7-1. Type Combat Aviation Battalion (Nondivisional).

HEADQUARTERS AND HEADQUARTERS COMPANY (HHC),
COMBAT AVIATION BATTALION (NONDIVISIONAL) (TOE 1-256H)

COMPOSITION

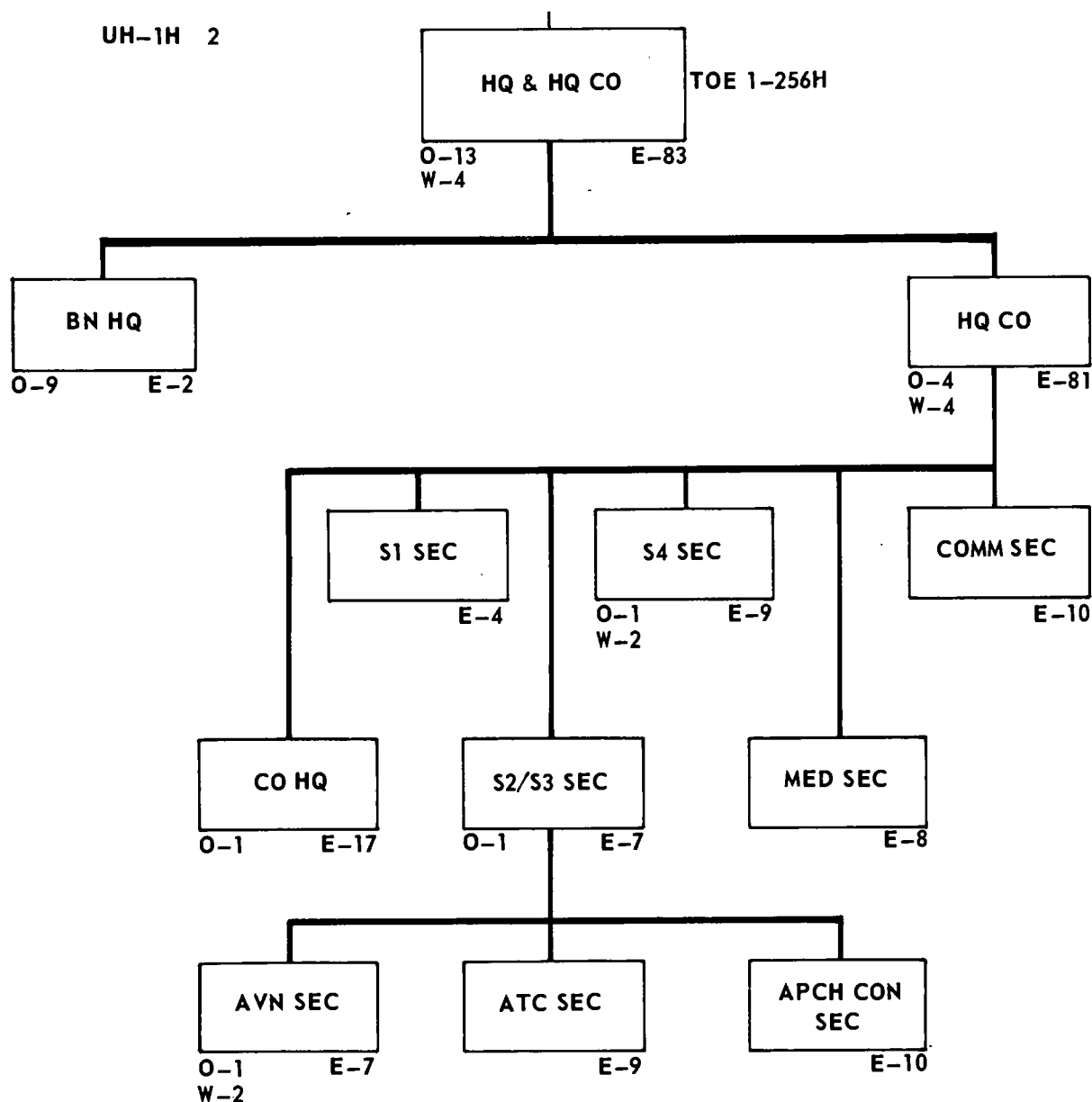


Figure 7-2. Headquarters and Headquarters Company, Combat Aviation Battalion (Nondivisional).

MISSION

The mission of the headquarters and headquarters company (HHC) is to provide command, control, staff planning, supervision, and coordination of all assigned and attached units, and to employ these units in support of ground operations incidental to combat.

ASSIGNMENT

This company is assigned to the army component command or corps aviation group when the primary mission is tactical transport and assigned to the army component command support command aviation group when the primary mission is logistical support. The basis for its assignment is one per three to seven Army aviation companies, as required.

CAPABILITIES

- Plans and supervises the employment of attached or assigned units.
- Provides personnel to supervise maintenance, logistical, and administrative functions of assigned or attached units.
- Provides unit-level medical support to the aviation battalion to include medical care, accomplishing flight physicals, evacuation within the battalion, and establishment of an aid station.
- Provides organizational maintenance on organic equipment, except communications, electronics, aircraft, avionics, and medical.

MOBILITY

- This company is 60 percent mobile in organic vehicles.
- It is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The HHC is activated when requirements exist for a command and control headquarters for three or more separate aviation companies. The HHC is located where the battalion headquarters can best control the activity of its subordinate units. The company is capable of establishing and operating two airfield terminal control facilities for use by battalion aircraft elements operating in areas where these facilities are not otherwise available.

PERSONNEL

HQ & HQ CO (HHC), CBT AVN BN (NONDIV)
(TOE 1-256H)

BN HQ

1	LTC	Bn Cdr	15A00
1	MAJ	XO	15A00
1	MAJ	S3	15A00
1	CPT	Flt Surg	61N00
1	CPT	Avn Safety Off	15A00
1	CPT	C-E Stf Off	15A25
1	CPT	S1	15A41
1	CPT	S2	15A35
1	CPT	S4	15A92
1	E-9	CSM	00Z50
1	E-7	Sr Army CARCSLR	00E40

CO HQ

1	CPT	Co Cdr	15A00
1	E-8	1SG	67Z5M
1	E-7	Food Svc SGT	94B40
1	E-6	Mtr Maint SGT	63B30
1	E-6	Sup SGT	76Y30
1	E-5	Unit Clk	75B20
1	E-5	First Cook	94B20
1	E-4	Armr	76Y10
2	E-4	Cook	94B10
2	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	PLL Clk	76D10
1	E-4	WVEH Mech	63B10
1	E-4	Veh Dvr	67N10
1	E-3	Veh Dvr	67N10
1	E-3	Pwr Genr Equip Helper	52B10
1	E-3	WVEH Mech	63B10

S1 SEC

1	E-7	PSNCO	75Z40
1	E-6	Legal Clk	71D30
1	E-5	Admin SP	71L20
1	E-4	Clk-Typist	71B10

S2/S3 SEC

1	CPT	Flt Op Off	15A00
1	E-8	Ch Intel NCO	96B50
1	E-8	Flt Op Ch	71P50
1	E-6	Cml Stf NCO	54E30
1	E-4	Flt Op SP	71P10
1	E-4	Clk-Typist	71B10
1	E-3	Flt Op SP	71P10
1	E-4	Gen Dftmn	81A10

AVN SEC

1	LT	Sec Ldr	15A00
1	WO	RW Inst Exam	100B6
1	WO	Pilot, UH-1	100B0
1	E-7	Maint Supv	67Z40
2	E-5	UH-1 CRC	67N2F
1	E-5	Acft Fuel Hdlg SP	76W20
1	E-4	Mat Supmn	76D10
1	E-4	UH-1 Rpmn	67N10
1	E-4	Acft Fuel Hdlr	76W10

ATC SEC

1	E-6	ATC Tower Supv	93H30
2	E-5	ATC Tower Op	93H20
3	E-4	ATC Tower Op	93H10
3	E-3	ATC Tower Op	93H10

APCH CON SEC

1	E-6	GCA Ch	93J30
1	E-5	Gnd Con Rdr Rpmn	26D20
2	E-5	GCA SP	93J20
3	E-4	GCA SP	93J10
3	E-3	GCA SP	93J10

S4 SEC

1	CPT	Acft Maint Off	71A00
1	WO	Autmv Maint Tech	631A0
1	WO	Sup Tech	761A0
1	E-7	Maint Supv	67Z40
1	E-7	Bn Mtr Maint SGT	63C40

PERSONNEL**S4 SEC (Cont)**

1	E-7	Bn Sup SGT	76Y40
2	E-7	Ch Hel Tech Insp	67W4F
1	E-5	Gen Supmn	76Y20
2	E-4	Gen Supmn	76Y10
1	E-3	Gen Supmn	76Y10

MED SEC

1	E-6	Sec SGT	91B30
1	E-5	Clin SP	91C20
1	E-5	Med Aidman	91B20
1	E-4	Clin SP	91C10
2	E-4	Med Aidman	91B10

MED SEC (Cont)

1	E-4	Veh Dvr	91B10
1	E-6	Clin SP	91C30

COMM SEC

1	E-7	Comm Ch	31G40
1	E-5	RATT Tm Ch	05F20
2	E-4	RATT Op	05F10
1	E-4	Sr Fld Swbd Op	36K10
1	E-3	Msg Clk	36K10
2	E-4	Telecom Cen SP	72E10
1	E-3	Fld Swbd Op	36K10
1	E-3	Tac Wire Op SP	36K10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE
HQ & HQ CO (HHC), CBT AVN BN (NONDIV)
 (TOE 1-256H)

Comd console: ASC-15	1
Hel, util: UH-1H	2
Genr: 0.5 kW, AC	2
Genr: 1.5 kW, AC	8
Mg, 7.62mm: acft lt, door-mtd	4
Genr: 3 kW, DC	1
Mg, 7.62mm: lt flex w/mts	3
Genr: 5 kW, AC	3
Lchr, gren: 40mm	6
Genr: 7.5 kW, DC	1
Rifle: 5.56mm	81
Genr: 10 kW, AC	2
Revolver: cal .38	19
Goggles, night-vision: PVS-5	8
Pistol, pyrotechnic	1
Pwr sup: PP-2953/U & VEH Z-ACD	4
Rdo set: AN/VRC-46	1
Acft con cen, ATC: AN/TSQ-70A	1

Ldg con cen ATC: AN/TSQ-71A	1
Rdo set, beacon, ATC: AN/TRN-39(V)2	1
Rdo set: AN/VRC-47	1
Rdo set: AN/PRC-90	4
Rdo set con gp: AN/GRA-39	2
RATT set: AN/GRC-142	1
Equip, speech scty (abn): TSEC/KY-28	5
Tml tg-tel: TCC-29	1
Equip, speech scty: TSEC/KY-38	2
Tt set: UGC-74	1
Equip, elct tt scty: TSEC/KY-7	3
Trk, util: ½-ton, 4x4	6
Transponder, cmpt: KIT-1A/TSEC	2
Tlr, cgo: ¼-ton	6
Trk, cgo: ¾-ton, 4x4	6
Tlr, cgo: ¾-ton	3
Trk, cgo: 2½-ton, 6x6	3
Tlr, cgo: 1½-ton	1
Trk, amb: ¼-ton, 4x4	1
Trk, cgo: 5-ton, 6x6	1
Tlr, tk: water, 400-gal	1

COMBAT AVIATION GROUP

The group consists of an HHC and from three to seven combat aviation battalions. Composition of the group is not fixed, but consists of aviation battalions and separate aviation companies most suited to assist in accomplishment of the supported unit's mission. A type aviation group might possibly be organized as shown in figure 7-3. Its mission is to provide aviation support to land forces engaged in combat operations under all conditions of land warfare. The group normally is assigned to corps or higher level to provide maximum support and to fully utilize the combat potential of the group's assets.

The group-headquarters normally is located near the supported headquarters, and provides the tactical command and control required for employment of attached and assigned aviation units. Adequate communications and personnel are available to enable the group headquarters to function as an emergency or alternate Army aviation staff section.

The group operates from dispersed locations within the tactical area of operation. Its subordinate units generally are located in the vicinity of the units they support to gain the necessary security.

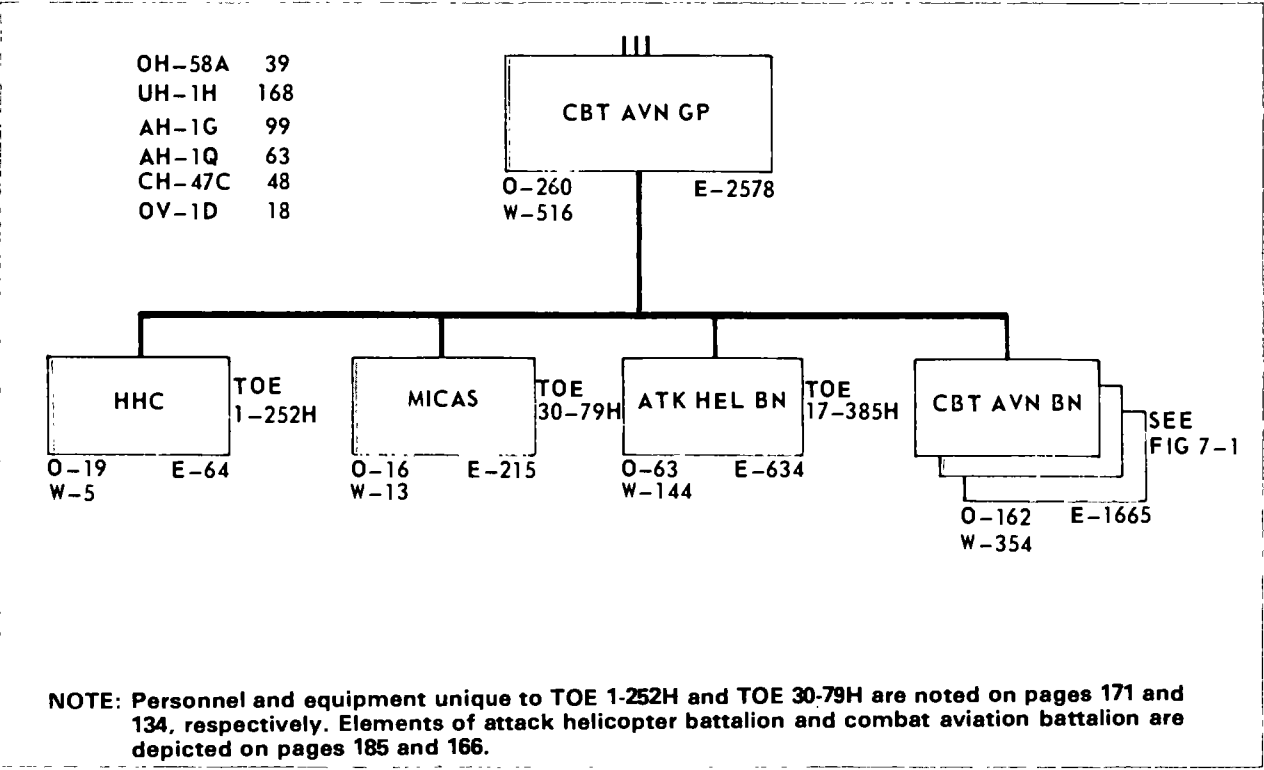


Figure 7-3. Type Combat Aviation Group (Nondivisional).

HEADQUARTERS AND HEADQUARTERS COMPANY (HHC), COMBAT AVIATION GROUP (TOE 1-252H)

COMPOSITION

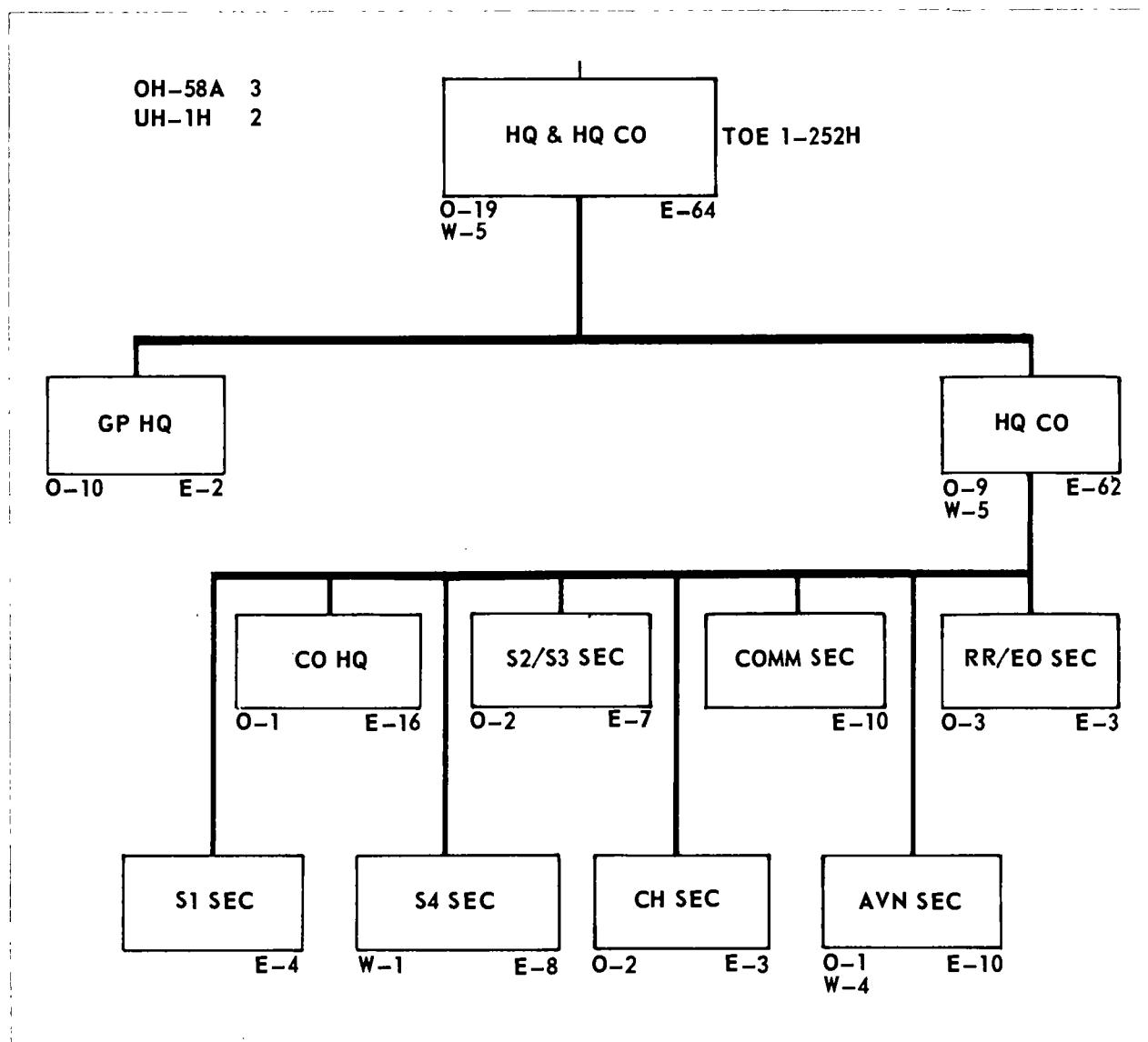


Figure 7-4. Headquarters and Headquarters Company, Combat Aviation Group (Nondivisional).

MISSION

The mission of the HHC is to provide command, staff planning, and control of operations of attached aviation battalions and separate aviation companies.

ASSIGNMENT

The company is assigned to an army component command, corps, or task force on basis of one per three to seven aviation battalions, as required.

CAPABILITIES

- Provides command, control, staff planning, and supervision of the activities of three to seven separate aviation battalions.
- Performs organizational maintenance on all organic equipment except the field radios and the teletype machines.

MOBILITY

- The company is 50 percent mobile in organic vehicles.
- It is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The group HHC provides the tactical command and control required for the employment of all units assigned or attached to the group. The company normally is located near the corps headquarters to insure maximum staff coordination. The group commander acts as the aviation advisor to the headquarters to which the group is assigned or attached and formulates plans, issues orders, and supervises the operation of any unit assigned or attached to the group.

PERSONNEL

HQ & HQ CO (HHC) CBT AVN GP (NONDIV)
(TOE 1-252H)

GP HQ

1	COL	Gp Cdr	15A00
1	LTC	XO	15A00
1	MAJ	Acft Maint Off	15A00
1	MAJ	Flt Surg	61N00
1	MAJ	Avn Safety Off	15A00
1	MAJ	C-E Stf Off	15A25
1	MAJ	CH	56A00
1	MAJ	S1	15A41
1	MAJ	S2/S3	15A35
1	MAJ	S4	15A92
1	E-9	CSM	00Z50
1	E-8	Army CARCSLR Supv	00E50

CO HQ

1	CPT	Co Cdr	15A00
1	E-8	1SG	67Z5M
1	E-6	Mtr SGT	63B30
1	E-6	Sup SGT	76Y30
1	E-5	Unit Clk	75B20
1	E-5	First Cook	94B20
1	E-4	Armr	76Y10
2	E-4	Cook	94B10
1	E-4	PLL Clk	76D10
2	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	WVEH Mech	63B10
1	E-4	Chauffeur	64C10
1	E-3	Pwr Genr Equip Helper	52B10
1	E-4	Veh Dvr	63B10
1	E-3	WVEH Mech	63B10

S1 SEC

1	E-7	PSNCO	71Z40
1	E-6	Legal Clk	71D30
1	E-4	Clk-Typist	71B10
1	E-5	Admin SP	71L20

S2/S3 SEC

1	CPT	Op Off	15A00
1	CPT	Op Plans Off	15A00
1	E-9	Op SGT	71P50
1	E-8	Ch Intel SGT	96B50
1	E-6	Cml Stf NCO	54E30
1	E-4	Flt Op SP	71P10
2	E-4	Clk-Typist	71B10
1	E-3	Flt Op SP	71P10

S4 SEC

1	WO	Food Svc Tech	941A0
1	E-8	Acft Maint SGT	67Z50
1	E-8	Ch Sup SGT	76Z50
1	E-4	Clk-Typist	71B10
1	E-4	Gen Supmn	76Y10
1	E-3	Gen Supmn	76Y10
1	E-6	Hel Tech Insp	67W3F
1	E-7	Mtr Maint SGT	63C40
1	E-6	Airplane Tech Insp	67W3F

COMM SEC

1	E-8	Comm Ch	31G50
1	E-5	RATT Tm Ch	05F20
2	E-4	RATT Op	05F10
1	E-4	Sr Fld Swbd Op	36K10
1	E-4	Sr Msg Clk	36K10
2	E-4	Telecom Cen SP	72E10
1	E-3	Fld Swbd Op	36K10
1	E-3	Tac Wire Op SP	36K10

CHAPLAIN (CH) SEC

2	CPT	CH	56A00
1	E-5	CH Asst	71M20
2	E-4	CH Asst	71M10

AVN SEC

1	CPT	Sec Ldr	15A00
1	WO	RW Inst Exam	100B6

PERSONNEL**AVN SEC (Cont)**

1	WO	RW Flt Safety Tech	100BB
1	WO	RW IP	100GC
1	WO	Pilot, OH-58	100G0
1	E-6	Sec Ch	67N30
1	E-6	Hel Tech Insp	67W3F
3	E-5	OH-58 CRC	67V20
2	E-5	UH-1 CRC	67N2F
1	E-4	Mat Supmn	76D10
1	E-4	Avionics Mech	67K10

AVN SEC (Cont)

1	E-4	UH-1 Rpmn	67N10
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RR/EO SEC

1	MAJ	RR/EO Off	71C00
1	CPT	RR/Ed-Tng Off	71C00
1	CPT	RR/EO Op Off	71C00
1	E-7	RR/Ed-Tng SGT	00U40
1	E-7	RR/Ed Op SGT	00U40
1	E-4	Clk-Typist	71B10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**HQ & HQ CO (HHC), CBT AVN GP (NONDIV),
(TOE 1-252H)**

Comd console: ASC-15	1
Hel, obsn: OH-58A	3
Genr: 5 kW, AC	1
Hel, util: UH-1H	2
Genr: 1.5 kW, AC & DC	6
Armt, subsys hel: 7.62mm mg	2
Genr: 3 kW, AC & DC	5
Mg, 7.62mm: lt, door-mtd	4
Genr: 5 kW, AC	2
Mg, 7.62mm: lt flex	2
Genr: 7.5 kW, DC	1
Rifle: 5.56mm	67
Intg, cmpt: KIR-1A/TSEC	1
Revolver: cal .38	18
Lchr, gren: 40mm	6

Rdo set: AN/VRC-24	1
Rdo set: AN/VRC-46	1
Rdo set: AN/VRC-47	2
Rdo set: AN/VRC-64	1
Rdo set: AN/PRC-90	10
Rdo set con gp: AN/GRA-39	2
RATT set: AN/GRC-142	1
Equip, elct tt scty: TSEC/KW-7	2
Equip, speech scty: TSEC/KY-38	3
Equip, speech scty (abn): TSEC/KY-28	5
Trk, util: ¼-ton, 4x4	7
Tlr, cgo: ¼-ton	7
Trk, cgo: ¾-ton, 4x4	4
Tlr, cgo: ¾-ton	3
Trk, cgo: 2½-ton, 6x6	1
Tlr, tk: water, 400-gal, 1½-ton	1
Tlr, cgo: 1½-ton	1

AVIATION BRIGADE

The assignment of an aviation brigade is dependent upon the extent to which Army aviation support is required in an area of operation. Normally, the brigade is assigned to an Army component command, corps, or task force. It operates from the most forward area commensurate with its assignment to allow immediate responsiveness to the needs of the supported commander.

An aviation brigade is composed of an HHC and two to five combat aviation groups. The composition and strength of the units assigned to the brigade are determined by the Army component command commander.

The brigade normally is employed in general support of—and receives missions from—a corps or an Army component command. The brigade subsequently assigns missions to those of its units most capable of performing it. Subordinate units of the brigade are attached to or placed in direct support of committed ground units for operations. Additional aviation assets may be provided by units in general support and reinforcing roles. Elements of the brigade operate from dispersed locations within the assigned area.

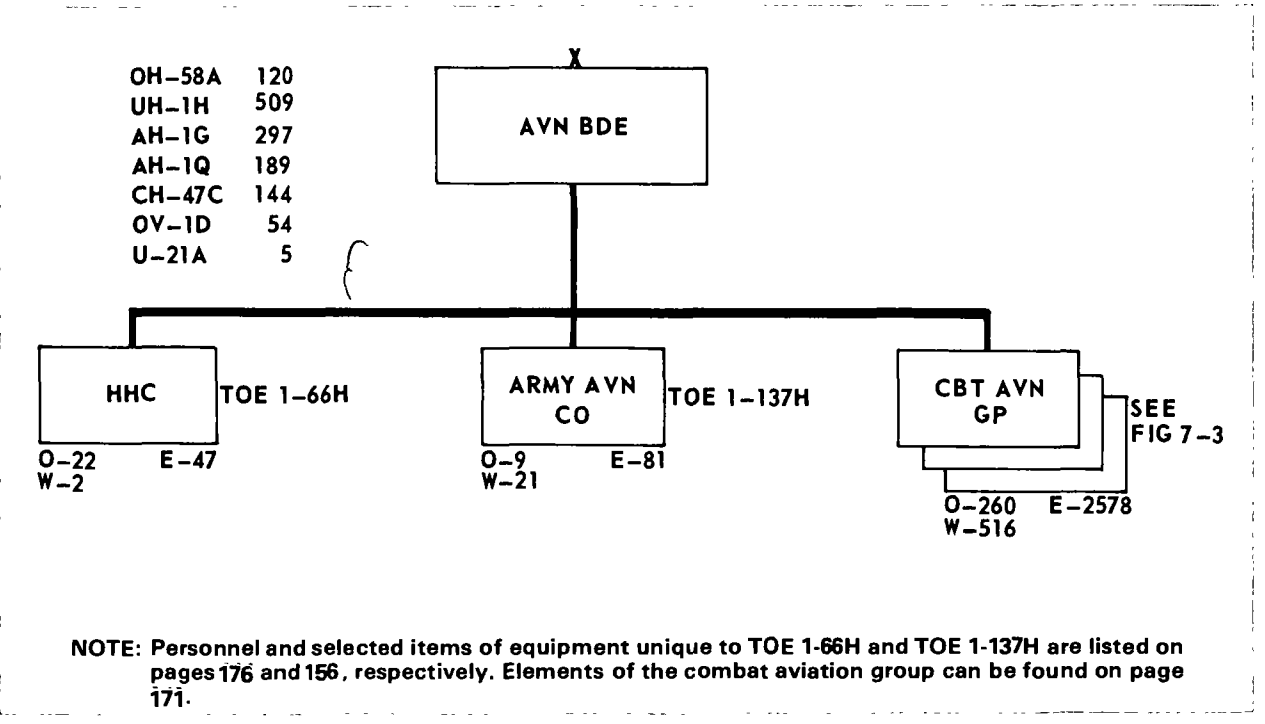


Figure 7-5. Type Aviation Brigade (Nondivisional).

HEADQUARTERS AND HEADQUARTERS COMPANY (HHC), AVIATION BRIGADE (NONDIVISIONAL) (TOE 1-66H)

COMPOSITION

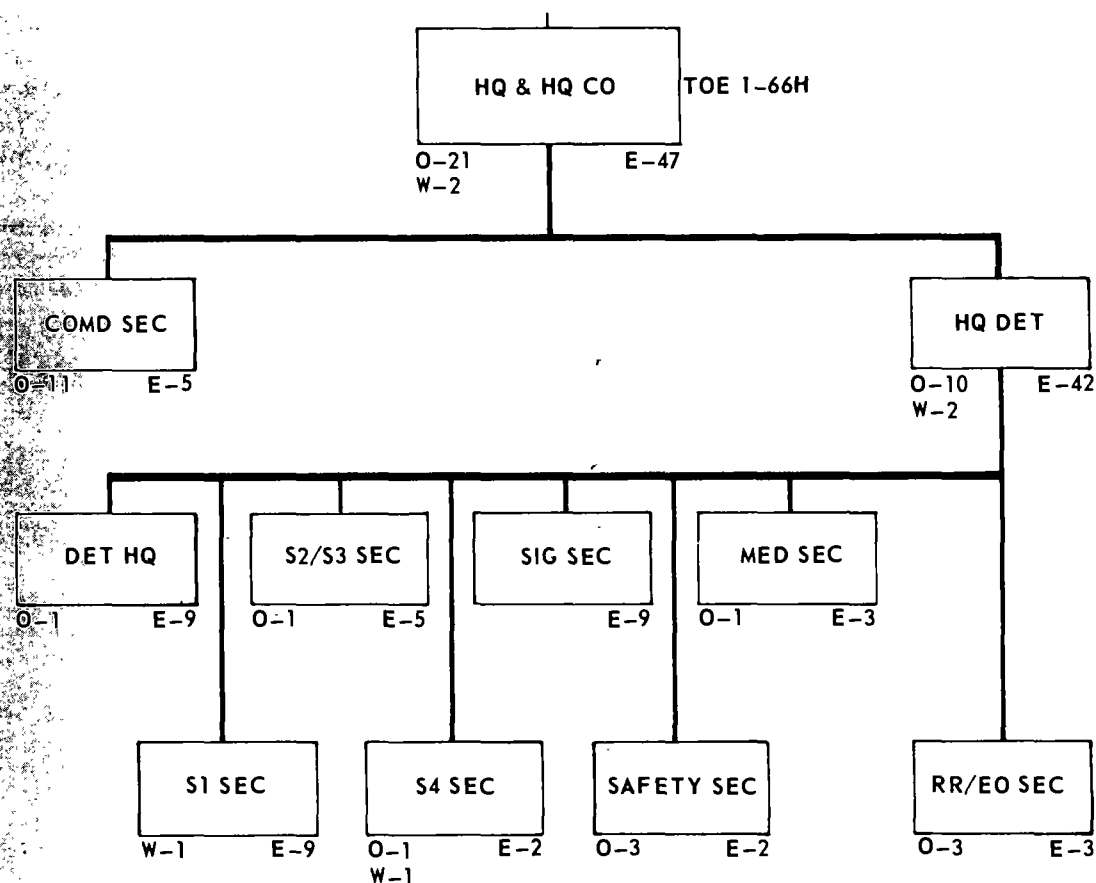


Figure 7-6. Headquarters and Headquarters Company, Aviation Brigade (Nondiv).

MISSION

The mission of the company is to provide command, staff planning, and administrative and logistical supervision of assigned or attached aviation groups, battalions, separate companies, and other attached elements.

ASSIGNMENT

This company is assigned to an army component command, corps, or task force on the basis of one per two to five aviation groups.

CAPABILITIES

- Provides command, staff planning, and supervision of the training, operations, logistics, and administration of assigned and attached units.
- Provides administration, mess, organizational maintenance, supply, motor transport, and local security for the brigade headquarters.
- Plans for future operations to include recommendations or nondivisional aviation requirements and employment.
- Operates the brigade communications system and directs the allocation, resupply, and maintenance of the avionics and signal equipment.
- Provides aircraft to facilitate the command, control, and coordination of brigade activities.
- Establishes and supervises the brigade safety program to include safety surveys, seminars, advice on aircraft accident investigation, and review of aircraft accident reports.

MOBILITY

- The unit is 100 percent mobile in organic vehicles and aircraft when utilizing two lifts in administrative movement.
- The unit is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The brigade HHC functions the same as similar type units in that each section has its distinctive missions. Each section provides the necessary personnel and equipment to meet the administrative and operational requirements of the brigade headquarters. Depending upon the brigade's assignment, the brigade headquarters may place emphasis on some or all of its capabilities listed above. When operating as a tactical headquarters, with the majority of the brigade's assets employed, the brigade commander becomes the principal advisor to the supported units, and his staff members become the principal coordinators. When employed as an administrative headquarters, the brigade commander and his staff become principal advisors and coordinators to their supported headquarters and primarily provide command, planning, and supervision over their assigned or attached aviation units. In this case, the aviation group becomes the tactical headquarters, and functions as such. The brigade headquarters operates from the most forward location from which it can best service its supported and assigned units. The brigade staff coordinates directly with the supported staff in the development of aviation plans. Based upon the recommendations of the brigade commander, the units of the brigade are employed to meet the tactical needs of the supported unit.

PERSONNEL

HHC, AVN BDE (NONDIV) (TOE 1-66H)

COMD SEC

1	BG	Bde Cdr	60002
1	COL	DBC	01987
1	LTC	S3	62162
1	MAJ	Avn Safety Off	07423
1	MAJ	C-E Stf Off	60205
1	MAJ	S1	62260
1	LTC	S2	69301
1	MAJ	S4	64010
1	MAJ	SJA	08103
1	MAJ	Surg	03160
1	LT	ADC	62030
1	E-9	CSM	00Z50
1	E-6	Sec-Steno	71C30
1	E-6	Enl Aide	00H30
1	E-5	Chauffeur	64C20
1	E-8	Sr CARCSLR	00E50

DETHQ

1	CPT	Det Cdr	02900
1	E-7	Det SGT	71L40
1	E-6	Sup SGT	76Y30
1	E-5	Sr Cook	94B20
1	E-5	Unit Clk	75B20
1	E-4	Armr	76Y10
1	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	Equip Maint Clk	76D10

DETHQ (Cont)

1	E-4	WVEH Mech	63B10
1	E-4	Veh Dvr	63C10

S1 SEC

1	WO	Unit Pers Tech	711A0
1	E-7	Admin Supv	71L40
1	E-7	PSNCO	75Z40
1	E-7	Sr Info Supv	71Q40
1	E-6	Legal Clk	71D30
1	E-5	Admin SP	71L20
1	E-5	Pers Mgmt SP	75C20
2	E-4	Clk-Typist	71B10
1	E-4	Still Photo	84B10

S2/S3 SEC

1	MAJ	Asst Op Off	62162
1	E-9	Intel SGT	96B50
1	E-9	Op SGT	71P50
1	E-5	Admin SP	71L20
1	E-4	Clk-Typist	71B10
1	E-4	Dftmn	81A10

S4 SEC

1	MAJ	Acft Maint Off	64823
1	WO	Food Svc Tech	941A0
1	E-8	Ch Sup SGT	76Z5K
1	E-4	Gen Supmn	76Y10

PERSONNEL**SIG SEC**

1	E-8	Comm Ch	31G50
2	E-5	Telecom Cen Shift Supv	72E20
1	E-4	Sr Msg Clk	36K10
1	E-4	Sr Fld Swbd Op	36K10
1	E-3	Clk	71B10
2	E-3	Fld Swbd Op	36K10
1	E-3	Tac Wire Op SP	36K10

SAFETY SEC

1	MAJ	Flt Std Off	07423
2	CPT	Safety Inves	07423
1	E-6	Safety NCO	71L30
1	E-4	Clk-Typist	71B30

RR/EO OFF

1	MAJ	RR/EO Off	02350
1	CPT	RR/Ed Tng Off	02350
1	CPT	RR/EO Op Off	02350
1	E-6	RR/Ed SGT	00U30
1	E-4	RR/Ed SP	00U10
1	E-4	Clk-Typist	71B10

MED SEC

1	CPT	Fld Med Asst	67B00
1	E-7	Med NCO	91B40
1	E-4	Clk-Typist	71B10
1	E-4	Med Rec SP	71G10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**HHC, AVN BDE (NONDIV) (TOE 1-66H)**

Genr: 3 kW, AC	1	Trk, util: ¼-ton, 4x4	6
Genr: 5 kW, AC	1	Tlr, cgo: ¼-ton	6
Genr: 10 kW, AC	1	Trk, cgo: ¾-ton	2
Lchr, gren: 40mm	6	Tlr, cgo: ¾-ton	1
Rifle: 5.56mm	48	Tlr, cgo: 1½-ton	1
Revolver: cal .38	18	Trk, cgo: 2½-ton, 6x6	1
		Trk, van: expan, 5-ton, 6x6	1
		Tlr, tk: petrl, 600-gal	1

CHAPTER 8

CAVALRY BRIGADE (AIR COMBAT) (ACCB)

COMPOSITION

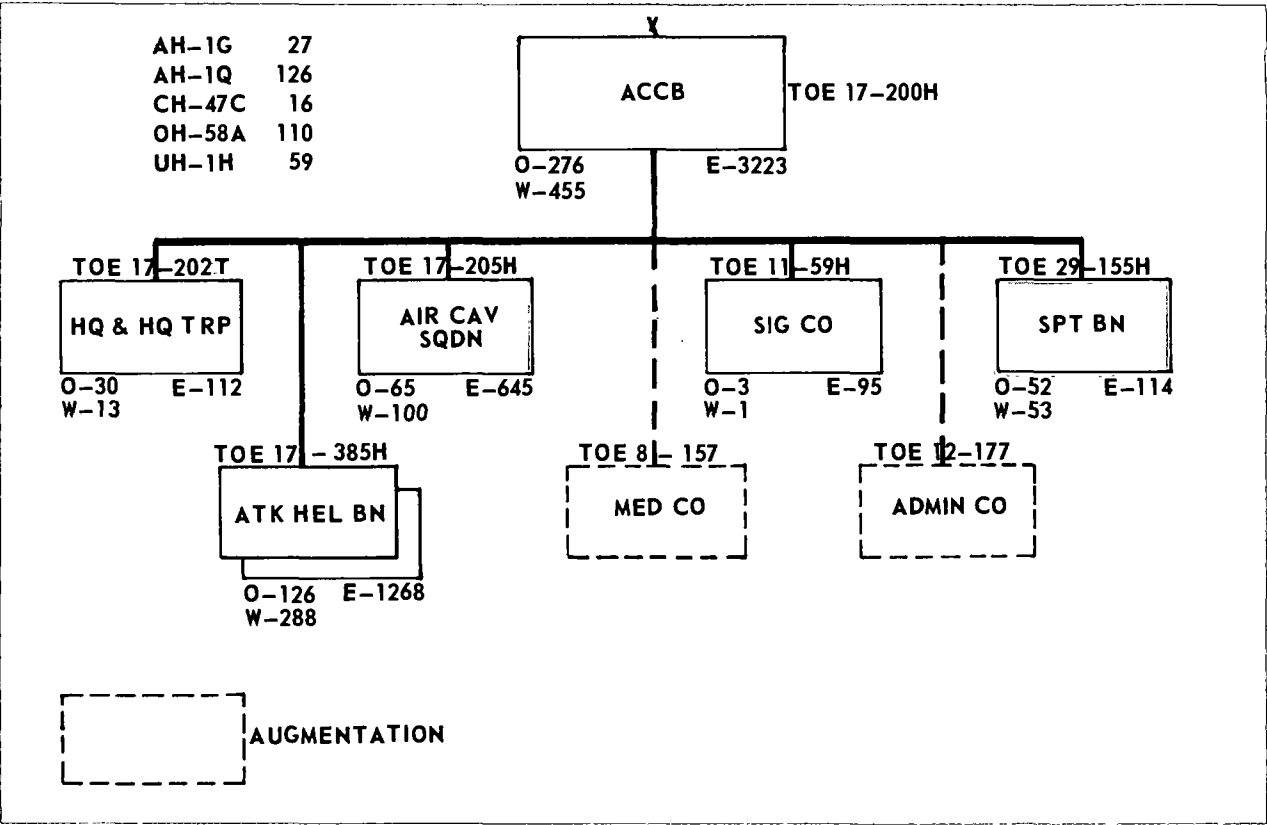


Figure 8-1. Air Cavalry Combat Brigade.

MISSION

The mission of the ACCB is to locate, disrupt, and destroy enemy forces, predominantly armored and mechanized units.

ASSIGNMENT

The ACCB normally is assigned to corps in conformity with mission requirements as determined by the Department of the Army.

CAPABILITIES

The ACCB has the capability to:

- Provide rapid, responsive firepower to engage point and area targets.
- Provide attack helicopter units for employment as a part of the combined arms teams.
- React to intelligence and coordinate response with other maneuver units.
- Conduct aerial reconnaissance and security as economy of force.
- Provide the mobility and firepower to exploit the effects of nuclear and nonnuclear fire support.
- Participate in special operations as required.
- Engage in effective, coordinated defense of the unit's area or installation with personnel within the organization except medical personnel and the chaplains.

NOTE: When the medical company and the administrative company are activated as components of the brigade, these services are provided from within the brigade.

LIMITATIONS

The ACCB is dependent upon:

- Appropriate units of the corps for engineer, medical, personnel, and administrative services.
- The US Air Force to provide a tactical air control party (TACP) for directing tactical air support.
- The US Air Force for air weather support.

EMPLOYMENT

The ACCB is designed for employment as an integral part of the US or Allied Combined Arms Forces. The brigade can conduct independent operations for limited periods. Its capabilities are optimized when employed as a part of a larger force—corps or division. Within the brigade, the air cavalry units *FIND* the enemy and the attack helicopter units *KILL* them. The ACCB's full potential is realized when it attacks enemy armor/motorized formations which are on the move or attacking our forces. For a complete discussion of the employment doctrine of the ACCB, refer to FM 17-47, *Air Cavalry Combat Brigade*.

HEADQUARTERS AND HEADQUARTERS TROOP, AIR CAVALRY COMBAT BRIGADE. (TOE 17-202T)

COMPOSITION

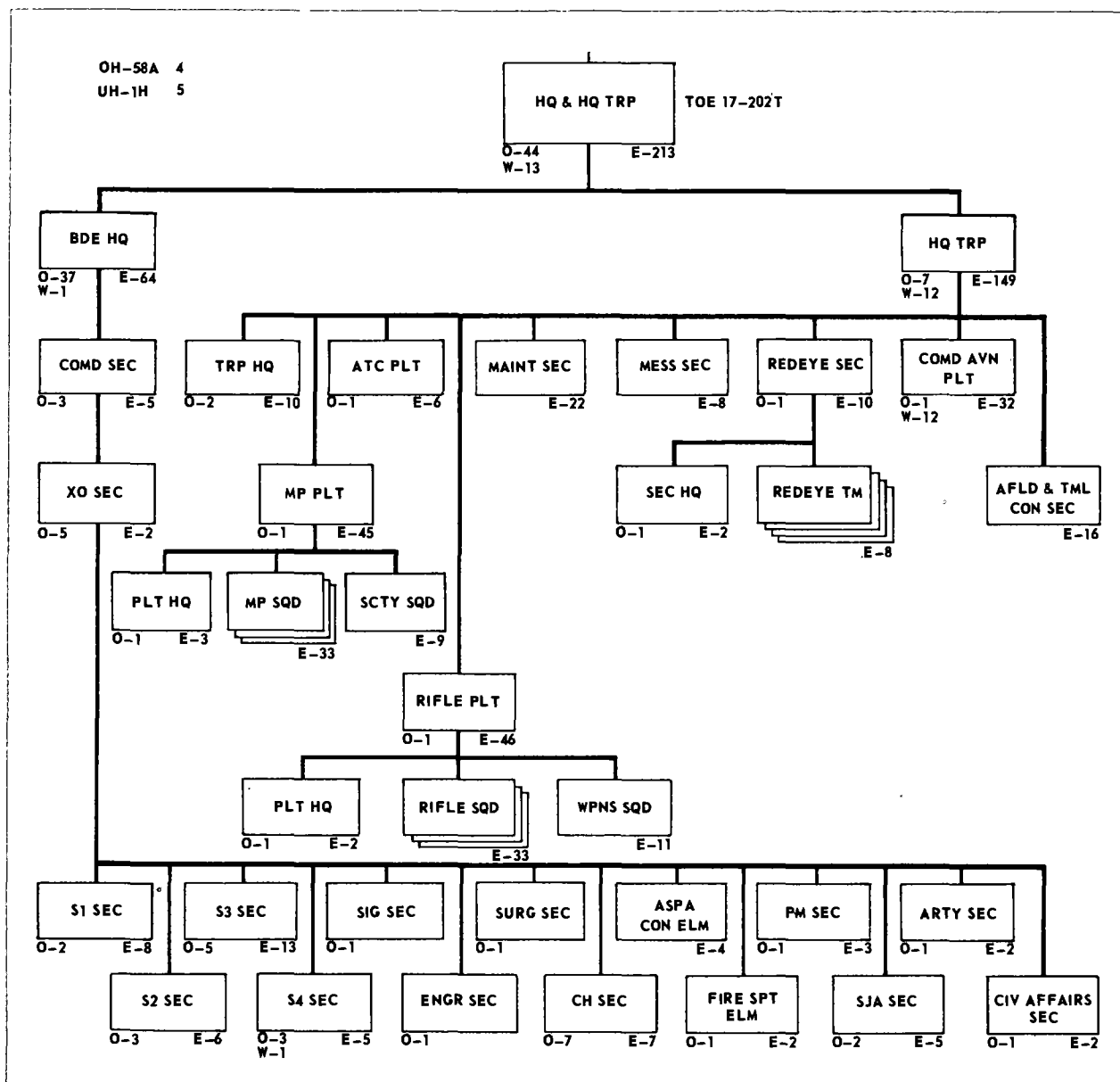


Figure 8-2. Headquarters and Headquarters Troop, Air Cavalry Combat Brigade (ACCB).

MISSION

The mission of headquarters and headquarters troop (HHT) of the ACCB is to command and control assigned and attached combat, combat support, and combat service support elements.

ASSIGNMENT

Headquarters and headquarters troop is organic to the air cavalry combat brigade, TOE 17-200H.

CAPABILITIES

- Commands, controls, and performs staff planning for the brigade.
- Provides aircraft for command, control, and liaison.
- Performs organizational maintenance on organic equipment.
- Except for the chaplain and medical personnel, individuals of this organization can engage in effective, coordinated defense of the unit's area or installation.

MOBILITY

- This unit is 100 percent mobile using organic vehicles and aircraft.
- This unit is 100 percent air transportable in US Air Force aircraft.

PERSONNEL

HQ & HQ TRP, AIR CAV CBT BDE (TOE 17-202T)				XO SEC			
COMD SEC				1	LTC	XO	61210
1	BG	Bde Cdr	60002	4	CPT	LO	C1204
1	COL	DBC	61210	1	E-4	Clk-Typist	71B10
1	LT	ADC	62030	1	E-3	Lt Veh Dvr	11D10
1	E-9	CSM	00Z50	S1 SEC			
1	E-6	Enl Aide	00H30	1	MAJ	S1	02260
1	E-6	Sec-Steno	71C30	1	CPT	Asst S1	02260
1	E-5	Chauffeur	64C20	1	E-7	SR CARCSLR	00E40
1	E-3	Lt Veh Dvr	11D10	1	E-7	Info Supv	71Q40
				1	E-6	Legal Clk	71D30
				1	E-5	Mail Distr SP	71L20

PERSONNEL

S1 SEC (Cont)

1	E-7	PSNCO	75Z40
2	E-4	Clk-Typist	71B10
1	E-3	Lt Veh Dvr	11D10

S2 SEC

1	MAJ	S2	09301
1	CPT	Asst S2	E9301
1	CPT	Asst S2 Air	09309
1	E-8	Ch Intel SGT	11D50
1	E-7	Intel SGT S2 Air	96D40
2	E-5	Intel Asst	11D20
1	E-4	Clk-Typist	71B10
1	E-3	Lt Veh Dvr	11D10

S3 SEC

1	LTC	S3	62162
1	MAJ	Asst S3	62162
1	MAJ	Cml Stf Off	57314
1	CPT	Asst S3 Air	62163
1	CPT	Avn Safety Off	07423
1	E-9	Ch Op SGT	11D50
1	E-7	Cml Op SGT	54E40
1	E-8	Op SGT	71P50
1	E-5	Avn Op SP	11D20
2	E-4	Clk-Typist	71B10
1	E-4	Gen Dftmn	81A10
1	E-4	Sr Voice Rdo Op	05E10
3	E-3	Lt Veh Dvr	11D10
2	E-3	Voice Rdo Op	05E10

S4 SEC

1	MAJ	S4	04010
1	WO	Food Advr	941A0
1	CPT	Maint Off	64823
1	CPT	Mov Con Off	60694
1	E-8	Ch Sup SGT	76Z5K
1	E-7	Food Svc Supv	94Z40
1	E-4	Clk-Typist	71B10
1	E-5	Mov Supv	71N20
1	E-3	Lt Veh Dvr	11D10

SIG SEC

1	MAJ	Bde Sig Off	00205
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ENGR SEC

1	MAJ	Bde Engr	51331
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SURG SEC

1	MAJ	Stf Surg	03160
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CHAPLAIN (CH) SEC

1	MAJ	Bde CH	05310
6	CPT	CH	05310
1	E-6	CH Asst	71M30
3	E-5	CH Asst	71M20
3	E-4	CH Asst	71M10

ASPA COORD ELM (ACE)

1	E-5	ACE SP	71P20
1	E-6	ACE SGT	71P30
2	E-4	ACE Op	05E10

ARTY SEC

1	MAJ	Bde Arty Off	61193
1	E-5	ACE Op SP	71P20
1	E-4	ACE Rdo Op	05E10

FIRE SPT ELM

1	MAJ	Fire Spt Off	51193
1	E-6	Fire Spt SGT	13E30
1	E-4	Liaison SP	13E10

CIV AFFAIRS SEC

1	LTC	Civ Affairs Off	02180
1	E-6	Admin Supv	71L30
1	E-4	Clk-Typist	71B10

SJA SEC

1	MAJ	SJA	08103
1	CPT	Asst SJA	08103
1	E-7	Ch Legal Clk	71P40
1	E-6	CTREPTR	71E30
1	E-6	Legal Clk	71D30
1	E-5	Asst CTREPTR	71E20
1	E-4	Clk-Typist	71B10

PM SEC

1	MAJ	Bde PMO	09100
1	E-7	Op SGT	95B40
1	E-7	Sr Asst Crim Inves	95B40
1	E-4	Clk-Typist	71B10

PERSONNEL

TRP HQ

1	CPT	Trp Cdr	02900
1	LT	XO	02900
1	E-8	1SG	11D50
1	E-8	Comm Ch	31G50
1	E-6	Sup SGT	76Y30
1	E-5	Unit Clk	75B20
1	E-4	Sr Fld Swbd Op	36K10
1	E-4	Armr	76Y10
1	E-4	Sup Clk	76Y10
1	E-3	Lt Veh Dvr	11D10
1	E-3	Tac Wire Op SP	36K10
1	E-3	Sup Clk	76A10

MAINT SEC

1	E-8	Mtr SGT	63B40
1	E-5	Sr Fld C-E Equip Mech	31B20
2	E-5	Sr WVEH Mech	63B20
2	E-4	Equip Maint Clk	71T10
1	E-4	Fld C-E Equip Mech	31B10
4	E-4	Gp Pwr Genr Op/Mech	52B10
1	E-4	PLL Clk	76S10
4	E-4	WVEH Mech	63B10
1	E-4	Wkr Op	63B10
3	E-3	Pwr Genr Equip Helper	52A10
2	E-3	WVEH Mech Helper	63A10

AFLD TML CON SEC

1	E-7	ATC Ch	93H40
1	E-7	ATC/GCA Ch	93J40
2	E-6	ATC/GCA Supv	93J30
2	E-6	ATC Tower Supv	93H30
2	E-5	Sr ATC/GCA SP	93J20
3	E-5	Sr ATC/Tower Op	93H20
2	E-4	ATC/GCA SP	93J10
3	E-4	ATC/Tower Op	93H10

RIFLE PLT HQ

1	LT	Plt Ldr	01542
1	E-7	Plt SGT	11B40
1	E-3	RATT Op	11B10

RIFLE SQD

3	E-6	Sqd Ldr	11B30
6	E-5	Tm Ldr	11B20
6	E-4	Auto Rflmn	11B10
6	E-4	Grendr	11B10

RIFLE SQD (Cont)

3	E-3	Lt Veh Dvr	11B10
9	E-3	Rflmn	11B10

WPNS SQD

1	E-6	Sqd Ldr	11B30
2	E-4	Gnr	11H10
2	E-4	Mach Gnr	11B10
1	E-3	Ammo Bearer	11B10
2	E-3	Asst Gnr	11H10
2	E-3	Asst Mach Gnr	11B10
1	E-3	Lt Veh Dvr	11B10

MESS SEC

1	E-7	Dining Fac Mgr	94B40
1	E-6	First Cook	94B30
3	E-5	First Cook	94B20
2	E-4	Cook	94B10
1	E-3	Cook's Helper	94A10

REDEYE SEC HQ

1	LT	Sec Ldr	01174
1	E-6	Sec SGT	11D30
1	E-3	RATT Op	11D10

REDEYE TM

4	E-5	REDEYE Tm Ch	11D20
4	E-4	REDEYE Gnr	11D10

COMD AVN PLT

1	CPT	Plt Ldr	61204
12	WO	Hel Pilot	100B0
1	E-7	Plt SGT	67Z4F
1	E-6	OH-6/OH-58 Tech Insp	67V3F
1	E-5	Sr Avionics Mech	35K20
1	E-6	Tech Insp, UH-1	67N3F
8	E-5	OH-6/OH-58 CRC	67V2F
1	E-5	Sr UH-1 Rpmn	67N20
5	E-5	UH-1 CRC	67N2F
2	E-4	Acft Fuel Hdlg SP	76W10
1	E-4	Avionics Mech	35K10
2	E-4	UH-1 Rpmn	67N10
1	E-3	Sup Clk	76A10
5	E-4	Door Gnr	67N1F
1	E-4	Flt Op Clk	71P10
2	E-4	Rep Parts SP	76T10

PERSONNEL

MP PLT HQ

1	LT	Plt Ldr	09110
1	E-7	Plt SGT	95B40
1	E-4	Sr MP	95B10
1	E-3	MP	95B10

MP SQD

3	E-6	Sqd Ldr	95B30
3	E-5	Asst Sqd Ldr	95B20
9	E-4	Sr MP	95B10
12	E-3	MP	95B10

SCTY SQD

1	E-6	Sqd Ldr	95B30
1	E-5	Asst Sqd Ldr	95B20
3	E-4	Sr MP	95B10
4	E-3	MP	95B10

ATC PLT HQ

1	CPT	Plt Ldr	01982
1	E-8	Plt SGT	93L50
1	E-5	Sr Flt Op SP	71P20
1	E-5	GCA Rpmn	26D20
2	E-4	Flt Op SP	71P10
1	E-5	Flt Op Asst	71B20

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

HQ & HQ TRP, AIR CAV CBT BDE (TOE 17-202T)

Acft con cen: TSQ-70	1
Hel, OH-58A	8
Rdo set, beacon: GRN-6	2
Hel, UH-1H	5
Bipod rifle: 5.56mm w/case	6
Revolver: cal .38, 4-inch bbl	50
Comd Console: ASC-15	3
Rifle: 5.56mm	211
Genr: 0.5 kW, AC	1
Mg, cal .50: hv flex w/mts for gnd use	4
Genr: 1.5 kW, AC	5
Mg, 7.62mm: lt flex w/mts	7
Genr: 3 kW, DC	9
Trk, util: ¼-ton, 4x4	29
Genr: 7.5 kW, DC	2
Tlr, cgo: ¼-ton, 2-whl	27
Genr: 10 kW, AC	1
Ldg con cen: TSQ-71	1

Tlr, cgo: ¾-ton, 2-whl	1
Lchr, gren: 40mm, rifle	14
Trk, cgo: 2½-ton, 6x6	12
Metascope: PAS-6	1
Tlr, cgo: 1½-ton, 2-whl	10
Pistol: cal .45, auto	30
Trk, wkr: 5-ton, 6x6	1
Pwr sup: VEH Z-ACD	5
Rdo set, rcvr: PRR-9	10
Rcvr-trans con gp: GRA-6	1
Rdo set: AN/PRC-77	4
Rdo set: AN/URC-10	13
Rifle, rcl: 90mm	3
Trk, van: shop, 2½-ton, 6x6	2
Trk, cgo: 1½-ton, 6x6	16
Rdo set con gp: AN/GRA-39	7
Equip, speech scty: TSEC/KY-28	16
Equip, speech scty: TSEC/KY-38	5
Tlr, tk: water, 400-gal, 1½-ton	1
Trans ir: CVX-1	1
Rdo set, trans: PRT-4	10

ATTACK HELICOPTER BATTALION, AIR CAVALRY COMBAT BRIGADE (ACCB), AND AIRMOBILE (AIR ASSAULT) DIVISION (TOE 17-385H)

COMPOSITION

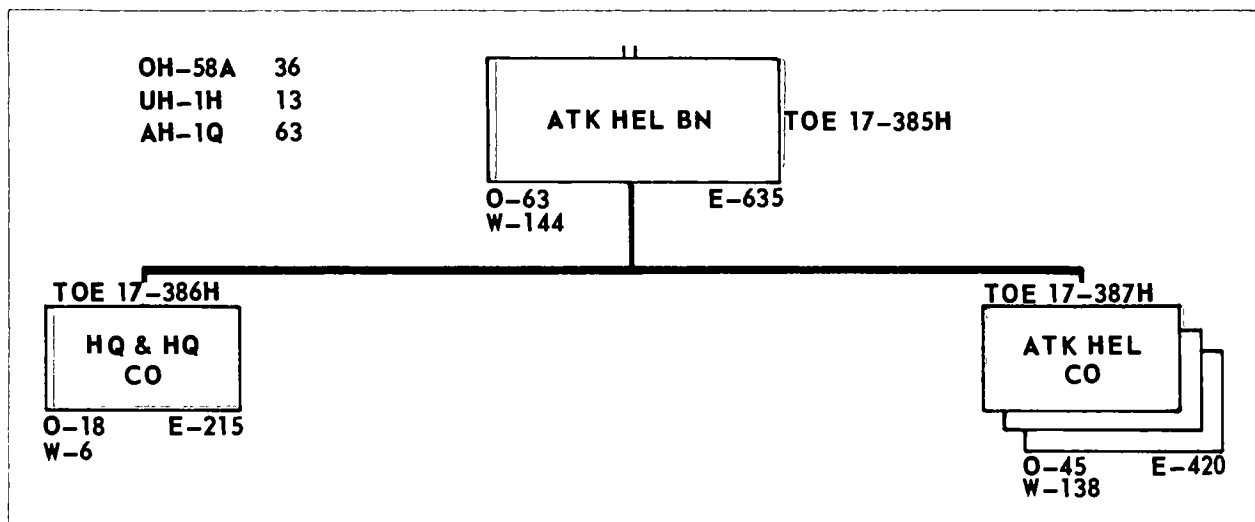


Figure 8-3. Attack Helicopter Battalion, Air Cavalry Combat Brigade (ACCB), and Airmobile (Air Assault) Division.

MISSION

The mission of the attack helicopter battalion is to destroy enemy armored and mechanized forces by aerial combat power using fire and maneuver as an integral part of the combined arms team during offensive, defensive, and retrograde operations.

ASSIGNMENT

Two attack helicopter battalions are organic to the ACCB. This battalion also may be assigned to a corps, division, or separate brigade as required.

CAPABILITIES

- Attacks or counterattacks, using stealth and maximum target standoff.
- Provides rapid, responsive point and area target fire.

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- Conducts operations in a high threat environment.
- Provides attack helicopter units to be integrated into combined arms teams.
- Reacts to intelligence and coordinates response with other maneuver units.
- Conducts aerial reconnaissance and security missions in an economy of force role.
- Provides the mobility and firepower to exploit the effects of nuclear and nonnuclear fire support.
- Participates in special operations as required.
- Performs organizational maintenance on organic equipment.
- Performs aviation unit maintenance (AVUM), less avionics and armament, at battalion level on organic aircraft.
- The individuals of the battalion, except medical personnel and the chaplain, engage in effective, coordinated defense of the unit's area or installation.

LIMITATIONS

The attack helicopter battalion is dependent upon other units of the corps for finance and personnel administration services.

EMPLOYMENT

Because the attack helicopter units have a tenfold mobility advantage over armored units, the battalion can be moved to the critical point at the critical time and be employed there in mass. It should be committed in mass to seek a tactical decision. Thus, it would be desirable to commit the nine platoons of the attack helicopter battalion in the same area; against the same enemy; in rotation; from the best firing positions, considering the time to refuel and rearm. This would provide nearly continuous, heavy antitank fire against the enemy's main effort. For a full discussion, consult FM 17-50, *Attack Helicopter Operations*; TC 17-50, *Attack Helicopter Operations*; and FM 17-47, *Air Cavalry Combat Brigade*.

MOBILITY

- On a tactical move, the attack helicopter battalion would require assets from the assault support helicopter company of the brigade support battalion to accomplish the move in one lift.
- The battalion requires special purpose vehicles from the transportation company of the support battalion to move their 6,000-pound, rough-terrain forklifts.
- The battalion is 100 percent transportable in US Air Force aircraft.

HEADQUARTERS AND HEADQUARTERS COMPANY (HHC), ATTACK
HELICOPTER BATTALION, AIR CAVALRY COMBAT BRIGADE (ACCB)
AND AIRMOBILE (AIR ASSAULT) DIVISION (TOE 17-386H)

COMPOSITION

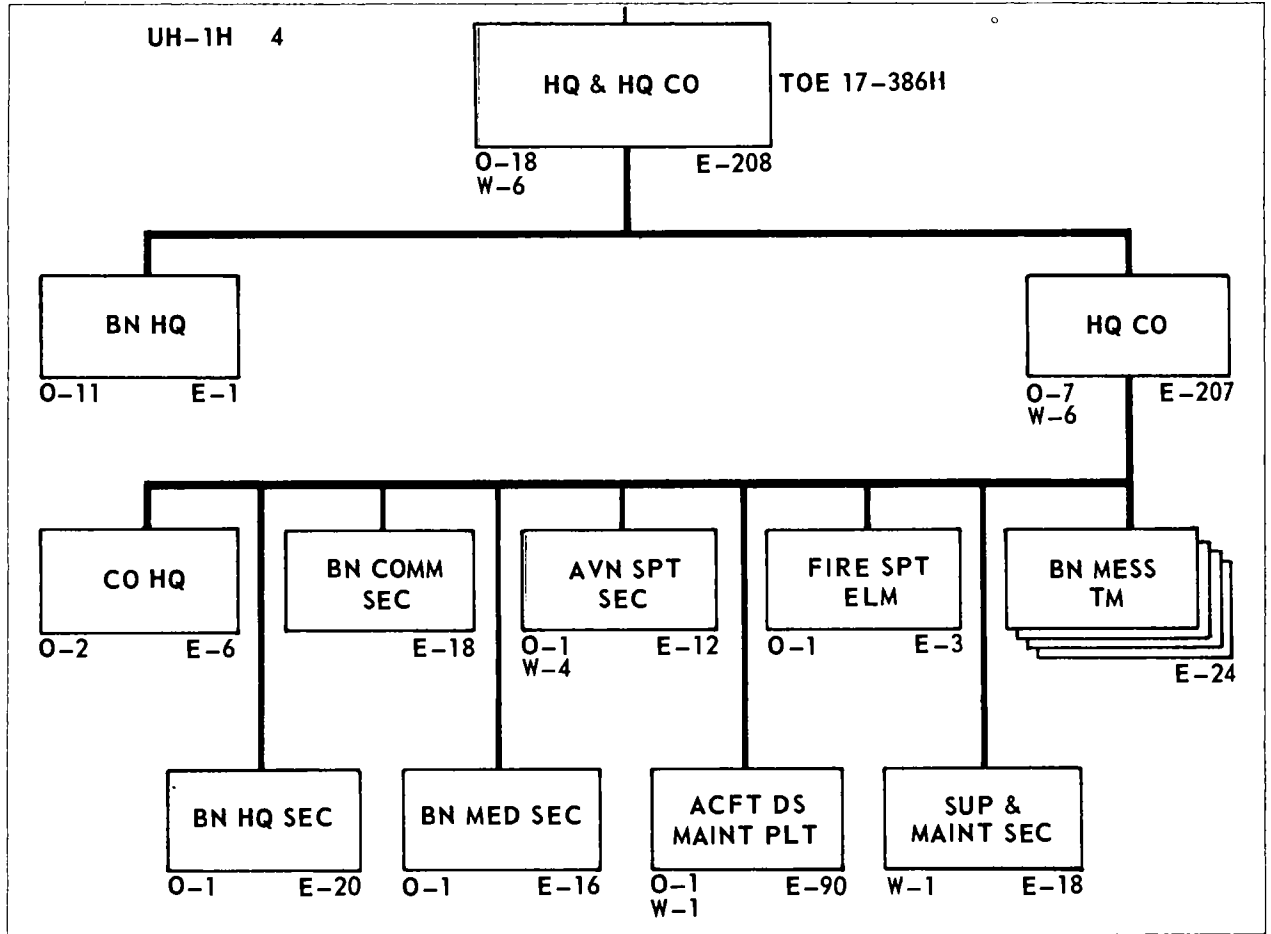


Figure 8-4. Headquarters and Headquarters Company, Attack Helicopter Battalion, Air Cavalry Combat Brigade, and Airmobile (Air Assault) Division.

MISSION

The mission of this unit is to furnish command, administration, and logistical planning for the attack helicopter battalion.

ASSIGNMENT

One headquarters and headquarters company is organic to each attack helicopter battalion.

CAPABILITIES

- Commands, controls, provides staff planning, and furnishes communication and supervision of operations for organic and attack units.
- Provides aircraft for command and control by the commander and his staff.
- Provides unit-level medical service to the battalion.
- Provides organizational maintenance support on wheeled vehicles, power generators, and communications-electronics equipment for organic battalion units.
- Provides mess support to organic battalion units.
- Provides organizational maintenance for all organic equipment, less cryptographic and electronic test equipment.
- Performs integrated direct support aviation maintenance except for avionics; and also provides boresighting support for the TOW missile system.
- Individuals of the company, except medical personnel and the chaplain, can engage in effective, coordinated defense of the unit's area or installation.

LIMITATIONS

The company is dependent upon appropriate elements of the corps for finance and personnel administration services.

MOBILITY

- On a tactical move, the company would require assets from the assault support helicopter company of the brigade's support battalion to accomplish the move in one lift.
- The unit requires a special purpose vehicle from the transportation company of the support battalion to move its 6,000-pound, rough terrain (RT) forklift.
- All organic equipment is transportable in US Air Force aircraft.

PERSONNEL

HQ & HQ CO (HHC), ATK HEL BN, ACCB/AMBL
(AIR ASLT) DIV (TOE 17-386H)

BN HQ

1	LTC	Bn Cdr	15A12
1	MAJ	XO	15A12
1	MAJ	S3	15A12
1	CPT	S1	15A41
1	CPT	S2	15A35
1	CPT	S4	15A92
1	CPT	Flt Surg	61N00
1	CPT	CH	56A00
1	CPT	C-E Stf Off	15A25
1	CPT	Acft Maint Off	71A00
1	CPT	Avn Safety Off	15A12
1	E-9	CSM	00Z50

CO HQ

1	CPT	Co Cdr	15A12
1	LT	XO	15A12
1	E-8	1SG	11E5M
1	E-6	Sup SGT	76Y30
1	E-5	Unit Clk	75B20
1	E-4	Armr	76Y10
1	E-4	Veh Dvr	63B10
1	E-3	Gen Supmn	76Y10

BN HQ SEC

1	CPT	Asst S3	15A12
1	E-8	Intel SGT	11E50
1	E-8	Op SGT	11E50
1	E-7	Asst Op SGT	11D40
2	E-7	Ch Hel Tech Insp	67W4F
1	E-7	Flt Op Ch	71P40
1	E-7	PSNCO	75Z40
1	E-7	Sr Army CARCSLR	00E40

1	E-6	Cml Stf NCO	54E30
1	E-6	Legal Clk	71D30
1	E-4	CH Asst	71M10
3	E-4	Clk-Typist	71B10
1	E-4	Flt Op SP	71P10
1	E-4	Veh Dvr	63B10
1	E-4	Sr Voice Rdo Op	05E10
1	E-3	Veh Dvr	63B10
2	E-3	Voice Rdo Op	05E10

BN COMM SEC

1	E-7	Comm Ch	31G40
2	E-5	RATT Tm Ch	05C20
1	E-5	Sr Fld C-E Equip Mech	31B20
2	E-4	Fld C-E Equip Mech	31B10
4	E-4	RATT Op	05F10
1	E-4	Sr Fld Swbd Op	36K10
1	E-4	Sr Msg Clk	36K10
1	E-4	Sr Voice Rdo Op	05E10
2	E-3	Msg Clk	36K10
2	E-3	Tac Wire Op SP	36K10
1	E-3	Voice Rdo Op	05E10

BN MED SEC

1	LT	Med Op Asst	67B00
1	E-6	Sec SGT	91B30
1	E-6	Clin SP	91C30
1	E-4	Clin SP	91C10
1	E-5	Med Aidman	91B20
9	E-5	Co Aidman	91B10
1	E-4	Veh Dvr	91B10
1	E-4	Med Aidman	91B10
1	E-3	Med Aidman	91B10

AVN SPT SEC

1	LT	Sec Ldr	15A12
1	WO	RW Flt Safety Tech	100BB

PERSONNEL

AVN SPT SEC (Cont)

1	WO	RW IP	100BC
1	WO	RW Inst Exam	100B6
1	WO	RW Pilot, UH-1	100B0
1	E-7	Sec SGT	67Z50
1	E-4	ATC Op	93H10
1	E-5	Sr UH-1 Rpmn	67N20
4	E-5	UH-1 CRC	67N2F
1	E-4	Acft Fuel Hdlg SP	76W10
1	E-4	ATC Op	93H10
1	E-4	Avionics Mech	36K10
1	E-4	Mat Supmn	76D10
1	E-4	UH-1 Rpmn	67N10

ACFT DS MAINT PLT

1	CPT	Plt Ldr	71A00
1	WO	Acft Rep Tech	100BR
1	E-7	Plt SGT	67Z40
1	E-7	Maint Supv	67Z40
1	E-6	Acft Turb Eng Rep Supv	68G30
1	E-6	Acft Rotor Rep Supv	68G30
1	E-6	AFRM Rep Supv	68G30
2	E-6	Hel Tech Insp	67W3F
3	E-5	Sr Acft FC Rpmn	35J20
1	E-5	Sr Acft PWTN Rpmn	68D20
2	E-5	Sr Acft Rotor Rpmn	68G20
3	E-5	Sr Acft Sgl Turb Eng Rpmn	68B20
5	E-5	Sr AFRM Rpmn	68G20
10	E-5	Sr AH-1 Rpmn	67Y20
2	E-5	Mat Supmn	76D20
5	E-5	Sr OH-58 Rpmn	67V20
2	E-5	Sr UH-1 Rpmn	67N20
1	E-5	Acft Hyd Rpmn	68H20
1	E-4	Acft PWTN Rpmn	68D10
3	E-4	Acft Rotor Rpmn	68G10
4	E-4	Acft Sgl Eng Rpmn	68B10
6	E-4	AFRM Rpmn	68G10

ACFT DS MAINT PLT (Cont)

11	E-4	AH-1 Rpmn	67Y10
2	E-4	Mat Sup SP	76D10
6	E-4	OH-58 Rpmn	67V10
2	E-4	UH-1 Rpmn	67N10
1	E-3	Acft Rotor Rep Helper	68G10
1	E-3	Acft Sgl Turb Eng Rep Helper	68B10
5	E-3	AH-1 Maint Helper	67Y10
2	E-3	AFRM Rep Helper	68G10
2	E-3	Mat Supmn	76D10
2	E-3	OH-58 Maint Helper	67V10
1	E-3	UH-1 Maint Helper	67N10

FIRE SPT ELM

1	CPT	Fire Spt Off	13A00
1	E-6	Ln SGT	13E30
1	E-4	Ln SP	13E10
1	E-3	Rdo Op	05E10

SUP AND MAINT SEC

1	WO	Autmv Maint Tech	631A0
1	E-7	Bn Sup SGT	76Y40
1	E-7	Mtr SGT	63C40
1	E-5	Gen Supmn	76Y20
1	E-5	WVEH Mech	63B20
1	E-4	Equip Maint Clk	76D10
2	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	PLL Clk	76D10
3	E-4	Gen Supmn	76Y10
2	E-4	WVEH Mech	63B10
1	E-4	Wkr Op	63B10
2	E-3	Pwr Genr Equip Helper	52B10
2	E-3	Gen Supmn	76Y10
1	E-3	WVEH Mech	63B10

BN MESS TM

4	E-7	Dining Fac Mgr	94B40
4	E-6	First Cook	94B30
4	E-5	Cook	94B20
8	E-4	Cook	94B10
4	E-3	Cook	94B10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

HQ & HQ CO (HHC), ATK HEL BN, ACCB/AMBL (AIR ASLT) DIV (TOE 17-386H)			
Revolver: cal .38, 4-inch bbl	39	Rdo set: AN/VRC-46	8
Rifle: 5.56mm	199	Rdo set: AN/VRC-47	4
Lchr, gren: 40mm	6	Rdo set: AN/VRC-49	1
Mg, 7.62mm: acft lt, door-mtd	8	Rdo set: AN/VRC-64	1
Mg, 7.62mm: lt flex w/mts	4	Rdo set con gp: AN/GRA-39	4
Hel: UH-1H	4	Equip, speech scty: TSEC/KY-28	4
Trk, amb: ¾-ton	1	Equip, speech scty: TSEC/KY-38	12
Trk, util: ¼-ton	6	Crane, whl-mtd: 3-ton	1
Tlr, cgo: ¼-ton, 2-whl	6	Equip, tt scty: TSEC/KW-7	2
Trk, cgo: ¾-ton	9	Genr: 0.5 kW, AC	1
Tlr, cgo: ¾-ton, 2-whl	4	Genr: 1.5 kW, AC & DC	10
Trk, cgo: 2½-ton	14	Genr: 3 kW, DC	4
Tlr, cgo: 1½-ton, 2-whl	14	Genr: 5 kW	2
Trk, wkr: 5-ton	1	Genr: 7.5 kW, DC	1
Tlr, water: 400-gal	4	Intg, cmpt: KIR-1A-TSEC	1
Trk, FLFT: 6,000-lb	1	Goggles, night vision: PVS-5	6
Rdo set: AN/GRC-106	1	Pwr sup: VEH Z-ACD	12
Rdo set: AN/PRC-90	8	RATT set: GRC-142	2
Rdo set: AN/VRC-24	1	Rcvr-trans con gp: GRA-6	1
		Tac dig regress rpt: ptbl, hyl-3/TSEC	1
		Transponder, cmpt: KIT-1A/TSEC	4

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**ATTACK HELICOPTER COMPANY, ATTACK HELICOPTER BATTALION,
AIR CAVALRY COMBAT BRIGADE (ACCB) AND AIRMOBILE (AIR ASSAULT)
DIVISION (TOE 17-387H)**

COMPOSITION

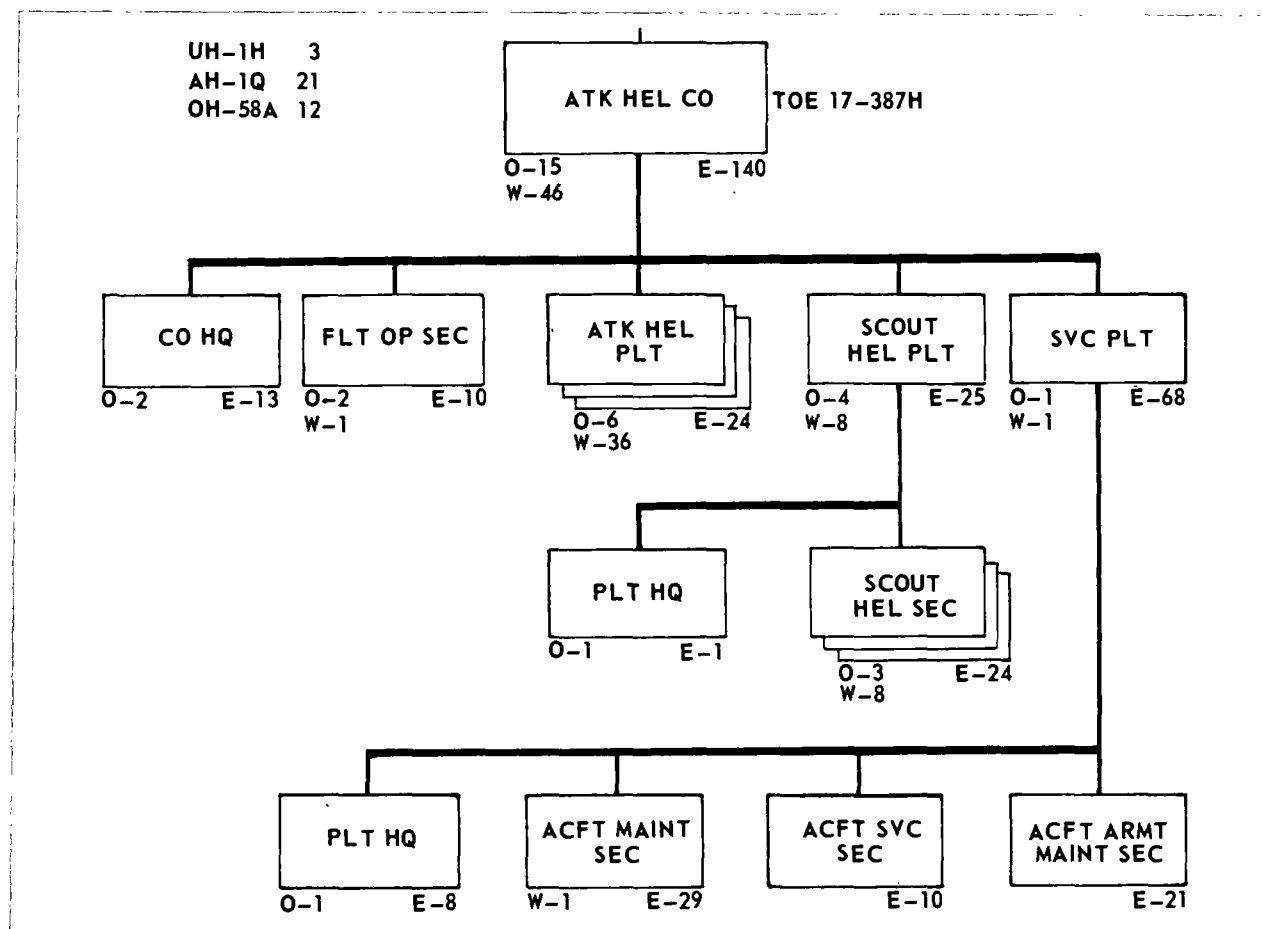


Figure 8-5. Attack Helicopter Company, Attack Helicopter Battalion, Air Cavalry Combat Brigade, and Airmobile (Air Assault) Division.

MISSION

The mission of the attack helicopter company is to destroy enemy armored, mechanized, or other forces by aerial combat power using fire and maneuver as an integrated part of the combined arms team during offensive, defensive, and retrograde operations.

ASSIGNMENT

Three attack helicopter companies are organic to each of the attack helicopter battalions of the ACCB.

CAPABILITIES

- Attacks or counterattacks, using stealth and maximum target standoff.
- Provides rapid, responsive point and area target fire.
- Provides attack helicopter elements to ground maneuver forces for employment as a part of the combined arms team.
- Conducts operations in a high threat environment.
- Reacts to intelligence and coordinates response with other maneuver units.
- Conducts aerial reconnaissance and security in an economy of force role.
- Provides the mobility and firepower to exploit the effects of nuclear and nonnuclear fire support.
- Participates in special operations as required.
- Performs organizational maintenance on organic aircraft.
- Individuals of the company engage in effective, coordinated defense of the unit's area or installation.

LIMITATIONS

The attack helicopter company depends on the headquarters and headquarters company of the battalion for organizational maintenance on wheeled vehicles, power generators, and communications-electronics equipment (less avionics), and mess.

MOBILITY

- The company has the capability of moving all its personnel in one lift, but requires assets of the assault support helicopter company of the support battalion to facilitate a tactical move in one lift.
- The company requires a special purpose vehicle from the transportation company of the support battalion to move its 6,000-pound, rough-terrain forklift.
- This unit is 100 percent transportable in US Air Force aircraft.

EMPLOYMENT

Since the employment considerations for this unit are the same or similar to other attack helicopter units, these considerations are discussed in appendix C of this manual. The doctrinal publication for the employment of the attack helicopter company is FM 17-50, *Attack Helicopter Operations*.

PERSONNEL

ATK HEL CO, ATK HEL BN, ACCB/AMBL
(AIR ASLT) DIV (TOE 17-387H)

CO HQ

1	MAJ	Cdr	15A12
1	CPT	XO	15A12
1	E-8	1SG	67Z5M
1	E-6	Sup SGT	76Y30
1	E-5	Unit Clk	75B20
1	E-4	Armr	76Y10
2	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	WVEH Mech	63B10
2	E-3	Pwr Genr Equip Helper	52B10
2	E-3	WVEH Mech	63B10
1	E-3	Veh Dvr	67Y10
1	E-3	Gen Supmn	76Y10

FLT OP SEC

1	CPT	Op Off	15A12
1	LT	Flt Op Off	15A12
1	WO	RW Inst Exam	100E6
1	E-7	Flt Op Ch	71P40
1	E-6	Comm Ch	31G40
1	E-5	Flt Op SP	71P10
2	E-5	UH-1 CRC	67N2F
1	E-4	Clk-Typist	71B10
1	E-4	Flt Op SP	71P10
1	E-4	Sr Voice Rdo Op	05E10
2	E-3	Voice Rdo Op	05E10

ATK HEL PLT

3	CPT	Plt Ldr	15A12
3	LT	Sec Ldr	15A12
31	WO	RW Pilot (Atk), AH-1Q	100E0
1	WO	RW Flt Safety Tech	100EB
1	WO	RW Inst Exam	100E6
3	WO	RW IP	100EC

ATK HEL PLT (Cont)

3	E-7	Plt SGT	67Z40
21	E-5	AH-1 CRC	67Y20

SCOUT HEL PLT HQ

1	CPT	Plt Ldr	15A12
1	E-7	Plt SGT	67V40

SCOUT HEL SEC

3	LT	Sec Ldr	15A12
7	WO	RW Pilot, OH-58	100B0
1	WO	RW IP	100BC
3	E-5	Sec SGT	67V20
9	E-5	OH-58 CRC	67V20
12	E-5	Scout Obsr	11D2F

SVC PLT HQ

1	CPT	Plt Ldr	71A00
1	E-7	Plt SGT	67Z40
3	E-6	AH-1 Tech Insp	67Y3F
2	E-6	OH-58 Tech Insp	67V3F
1	E-6	UH-1 Tech Insp	67N3F
1	E-5	UH-1 CRC	67N2F

ACFT MAINT SEC

1	WO	Acft Rep Tech	100BR
1	E-7	Sec Ch	67Z40
5	E-5	Sr AH-1 Rpmn	67Y20
1	E-5	Sr Avionics Mech	35K20
3	E-5	Mat Supmn	76D20
1	E-5	Sr UH-1 Rpmn	67N20
6	E-4	AH-1 Rpmn	67Y10
2	E-4	Avionics Mech	35K10
3	E-4	Mat Supmn	76D10
1	E-4	UH-1 Rpmn	67N10
1	E-4	Wkr Op	63B10
2	E-3	AH-1 Maint Helper	67Y10
3	E-3	Mat Sup Clk	76Y10

PERSONNEL**ACFT SVC SEC**

1	E-5	Afld Svc Supv	67Y20
2	E-4	Acft Fuel Hdlg SP	76W10
2	E-4	Ammo Stor Asst	55B10
2	E-4	Acft Fuel Hdlr	76W10
1	E-3	Ammo Stor Asst	55B10
2	E-3	Acft Fuel Hdlr	76W10

ACFT ARMT MAINT SEC

1	E-7	Acft Armt Subsys Supv	68K40
8	E-5	Acft Armt Subsys Mech	68M20
12	E-4	Acft Armt Subsys Mech	68M10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE
**ATK HEL CO, ATK HEL BN, ACCB/AMBL
(AIR ASLT) DIV (TOE 17-387H)**

Armt, subsys: TOW	21
Rdo set, beacon: TRN-30	1
Revolver: cal .38, 4-inch bbl	82
Equip, rfl: fwd areas, FARE sys	6
Rifle: 5.56mm	131
Genr: 0.5 kW, AC	2
Hel, atk: AH-1Q	21
Genr: 1.5 kW, AC	6
Hel, obsn: OH-58A	12
Genr: 3 kW, DC	2
Hel, util: UH-1H	3
Genr: 7.5 kW, DC	5
Trk, util: ¼-ton	2
Intg, cmpt: KIR-1A/TSEC	2
Tlr, cgo: ¼-ton, 2-whl	2
Lchr, rkt, acft: 2.75-inch	28
Trk, cgo: ¾-ton	2
Lchr, rkt, acft: 2.75-inch, 19-tube (rep)	14
Trk, cgo: 2½-ton	5
Lchr, gren: 40mm	21

Trk, cgo: 2½-ton (XLWB)	2
Lchr, gren: 40mm, rifle	12
Tlr, cgo: 1½-ton	8
Mg, 7.62mm: 6-bbl	21
Trk, plat: ½-ton	3
Mg, 7.62mm: lt flex w/mts	18
Mg, 7.62mm: acft lt, door-mtd	6
Trk, FLFT: 6,000-lb	1
Goggles, night vision: PVS-5	36
Trk, wkr: 5-ton	1
Pwr sup: VEH, Z-ACD	3
Rdo set: AN/GRC-106	1
Transponder, cmpt: KIT-1A TSEC	36
Rdo set: AN/PRC-77	1
Rdo set: AN/PRC-90	72
Rdo set: AN/VRC-24	1
Rdo set: AN/VRC-46	1
Rdo set: AN/VRC-47	3
Rdo set con gp: AN/GRA-39	3
Rdo set con gp: AN/GRA-6	1
Equip, speech scty: TSEC/KY-28	36
Equip, speech scty: TSEC/KY-38	3

AIR CAVALRY SQUADRON, AIR CAVALRY COMBAT BRIGADE

The air cavalry squadron of the ACCB differs from other air cavalry squadrons primarily in its unit composition (fig 8-6) and the number of helicopters assigned. Its organization, mission, mobility, and employment considerations are basically the same as any air cavalry unit throughout the Army. Appendix B of this manual discusses the mission, mobility, capabilities, and employment of air cavalry units while this section will address only those differences that are unique to this unit.

The most noticeable difference in this organization is the absence of the armored cavalry troop within the squadron.

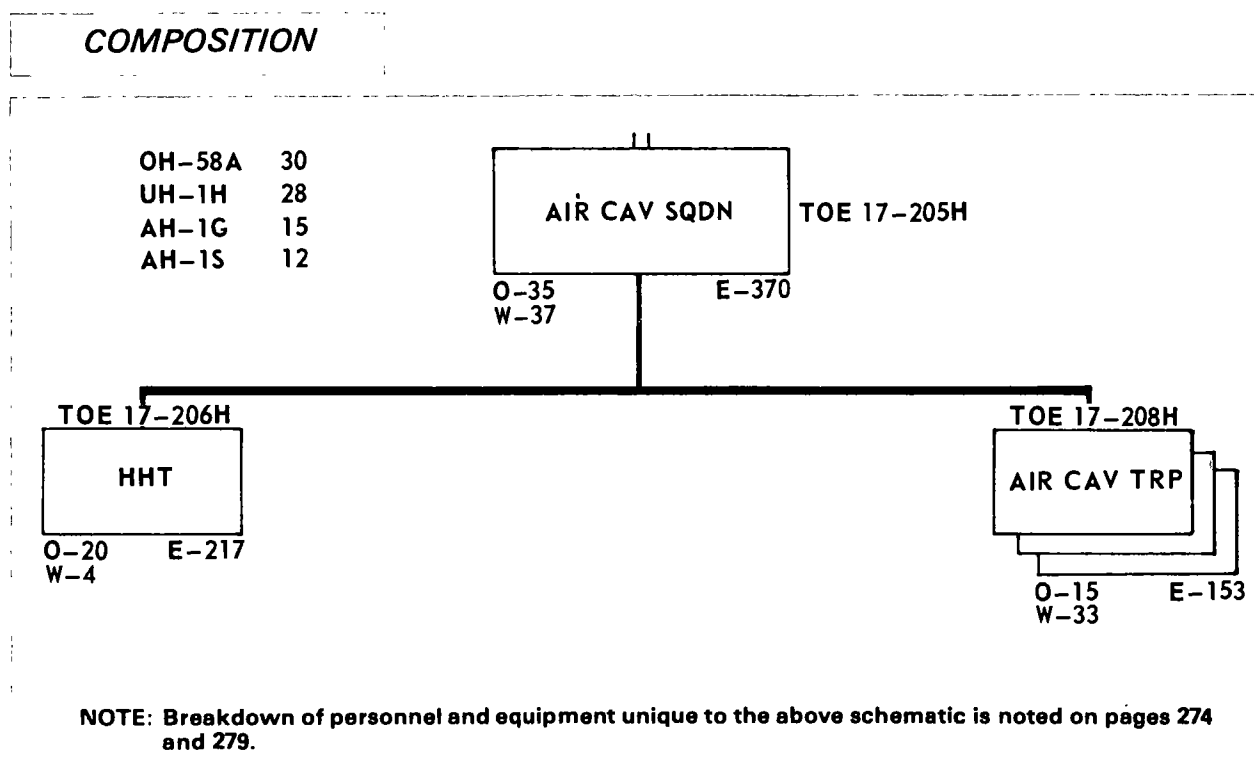


Figure 8-6. Air Cavalry Squadron, Air Cavalry Combat Brigade.

ASSIGNMENT

One air cavalry squadron, organized as shown above, is organic to the ACCB.

HEADQUARTERS AND HEADQUARTERS TROOP,
AIR CAVALRY SQUADRON (TOE 17-206)

COMPOSITION

Refer to B-1, appendix B.

MISSION

The mission of the headquarters and headquarters troop (HHT) is to provide command, control, and supervision of the air cavalry squadron.

ASSIGNMENT

One HHT is organic to each air cavalry squadron.

MOBILITY

- This unit requires additional transportation assets to accomplish a tactical move in one lift. These assets can be furnished from within the squadron or from the support battalion of the brigade.
- All equipment organic to the troop is air transportable by US Air Force aircraft.

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AIR CAVALRY TROOP, AIR CAVALRY SQUADRON, CAVALRY BRIGADE (AIR COMBAT) (TOE 17-208)

The air cavalry troop of the ACCB is identical to all other air cavalry troops with two exceptions:

- The aerorifle platoon of the air cavalry troop becomes a reconnaissance platoon when the troop is assigned to the ACCB.
- When the air cavalry troop is organized as part of the ACCB, aeroscout observers are provided in its TOE.
- These differences are noted in the personnel list on page 279 of appendix B.
- The composition, mission, capabilities, limitations, mobility, and employment considerations are the same as other air cavalry troops and are discussed in appendix B of this book.

COMPOSITION

The composition of the air cavalry troop is shown on figure B-2, appendix B.

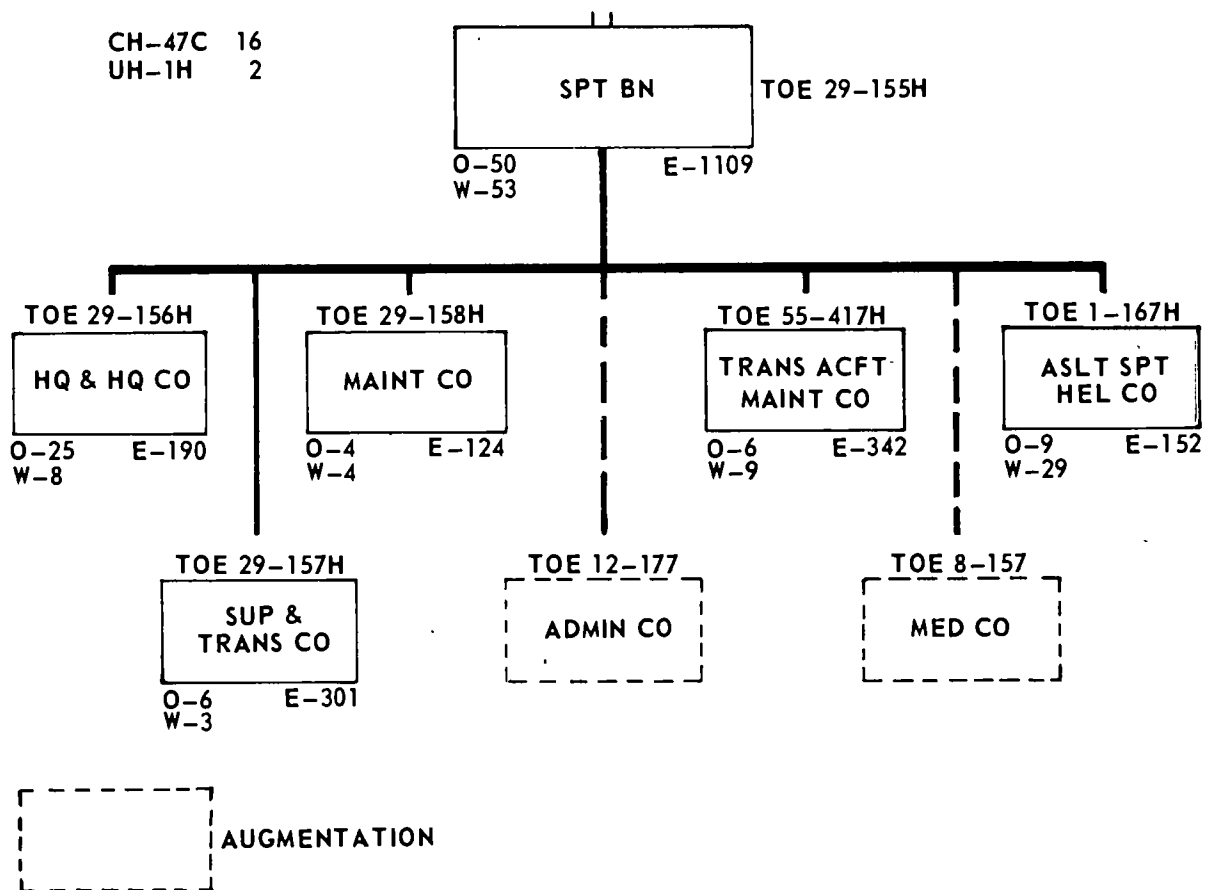
ASSIGNMENT

Three air cavalry troops are organic to the air cavalry squadron of the ACCB.

SUPPORT BATTALION, AIR CAVALRY COMBAT BRIGADE (ACCB) (TOE 29-155H)

Combat service support for the ACCB is provided primarily by its organic support battalion. This battalion is fitted to the unique requirements and employment of the brigade. Although this battalion does not have organic administration and medical companies, provisions have been made for support in these areas either through augmentation or from nonbrigade sources on an area basis.

COMPOSITION



NOTE: Personnel quantities for support battalion does include augmented companies.

Figure 8-7. Support Battalion, Air Cavalry Combat Brigade.

MISSION

The mission of the support battalion is to provide brigade-level combat service support (except construction, COMSEC logistics, and water supply) to all organic and attached elements of the brigade.

ASSIGNMENT

One support battalion is organic to the ACCB.

CAPABILITIES

- Provides brigade-level logistical support of classes I, II, III, IV, V, VII, and IX supplies (except for water production, COMSEC materiel, and classified maps).
- Provides direct-support maintenance (except medical, missiles, and COMSEC equipment) for all materiel organic to the brigade.
- Provides unit-level medical support.
- Provides limited adjutant general and finance services for the brigade, to include an interface capability for the Standard Installation/Division Personnel System (SIDPERS) and the Joint Uniform Military Pay System (JUMPS).
- Provides aircraft and surface transport of personnel, supplies, and equipment to accomplish brigade logistic and administrative missions.
- Supervises and coordinates brigade transportation operation.
- Provides automatic data processing (ADP) for selected brigade logistics activities.
- Provides unclassified map supply service.
- Provides minimum construction for the forward area rearm, refuel points (FARRPs).
- Furnishes pathfinders and riggers in support of brigade operations.
- Provides technical assistance to all brigade units in rigging external helicopter loads.
- Provides combat service support information and advice to the brigade commander and his staff.

Alternates:

- Carries reserve supplies in minimum quantities due to limited capability.

- Plans and conducts rear area protection activities within its assigned area of responsibility.
- Individuals of this organization except medical personnel and the chaplain, engage in effective, coordinated defense of the unit's area or installation.

NOTE: When activated as components of the brigade and assigned to the support battalion, the medical company, TOE 8-157, provides health care services, including aeromedical evacuation and crash rescue; the administrative company, TOE 12-177, provides personnel and administrative services to include:

- Centralized personnel and administrative support.
- Replacement support capabilities for the brigade and all organic and attached units.

LIMITATIONS

The support battalion is dependent upon:

- Nondivisional field service units for laundry, bath, clothing exchange, and graves registration services.
- Appropriate elements of the corps for personnel and administrative services, finance, medical, and engineer support unless augmented.
- The corps signal company for communications support of the support battalion headquarters and units operating in the brigade support area, to include transceiver service and COMSEC logistics.

MOBILITY

- The support battalion cannot accomplish a tactical move in one lift without additional vehicles and aircraft from outside sources.
- All equipment, organic to the battalion, is air transportable by US Air Force aircraft.

EMPLOYMENT

The support battalion provides combat service support on a unit, area, or task basis, or in combination thereof. The command post (CP) of the support battalion, less those elements detached, normally is located in the brigade support area. In fast-moving situations or widely dispersed actions, elements of the support battalion may operate forward of the brigade support area to insure continuing support.

HEADQUARTERS AND HEADQUARTERS COMPANY, SUPPORT BATTALION, AIR CAVALRY COMBAT BRIGADE (TOE 29-156H)

COMPOSITION

This company is composed of a command element and various staff sections to provide control of the logistics requirements of the ACCB.

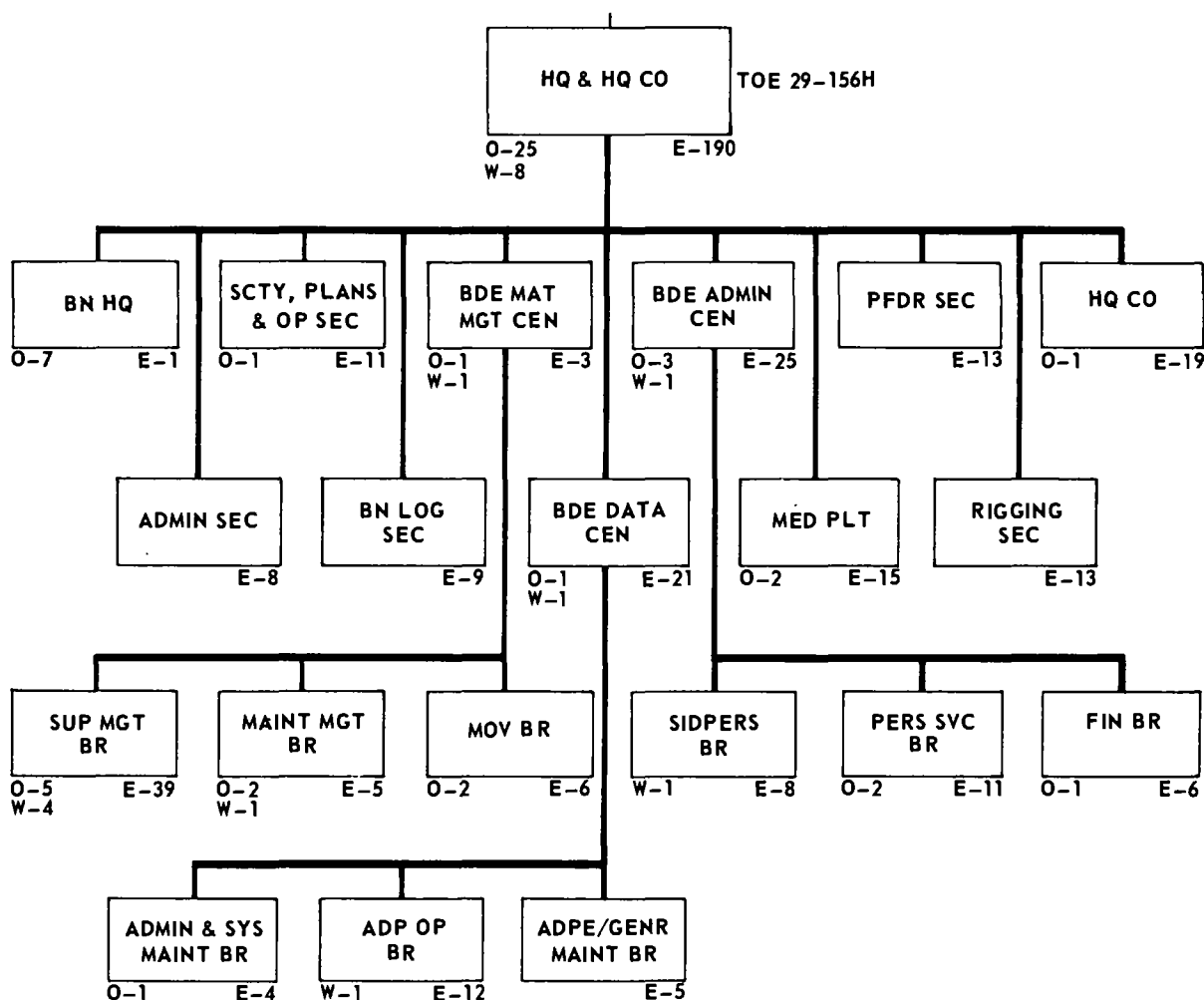


Figure 8-8. Headquarters and Headquarters Company, Support Battalion, Air Cavalry Combat Brigade.

MISSION

The mission of the headquarters and headquarters company is to command and control assigned and attached units of the support battalion of the ACCB.

ASSIGNMENT

One headquarters and headquarters company is organic to the support battalion of the ACCB.

CAPABILITIES

- Provides command, control, staff planning, and technical supervision to assigned or attached units.
- Advises the brigade commander and his staff on combat service support.
- Maintains centralized property accounting and Army equipment status reporting records.
- Maintains demand history records for authorized stockage list items.
- Plans for and controls the use of aircraft and surface transport specifically allocated or attached for logistic and administrative missions.
- Provides staff planning, coordination, and supervision of brigade materiel maintenance functions and activities except maintenance of medical and communications security (COMSEC) items.
- Determines requirements for requisitions and directs the receipt, temporary storage, and distribution of supplies and equipment received by the brigade.
- Maintains a brigade ammunition office for the management of ammunition credits.
- Coordinates purchasing and contracting, clothing exchange, bath, graves registration, fire extinguisher refill, and Army exchange operations for the brigade.
- Coordinates and supervises the utilization of general cargo, petroleum, and ammunition trucks in support of brigade operations.
- Provides operational automatic data processing (ADP) support for selected logistics functions of the supported units on a 24-hour basis.
- Provides limited adjutant general and finance services to the brigade.

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- Provides unit-level medical support for the battalion.
- Provides pathfinder and rigging in support of brigade operations.
- Provides technical assistance to all brigade units in rigging external helicopter loads.
- Plans, coordinates, and supervises rear area protection activities in its assigned areas of responsibility.
- Performs organizational maintenance on all organic equipment, less communications-electronics and medical equipment.
- Individuals of this unit, except medical personnel and the chaplain, engage in effective, coordinated defense of its area or installation.

LIMITATIONS

- The company depends on appropriate elements of the corps for legal, finance, and personnel administration services.
- The battalion's maintenance performs the organizational maintenance on this unit's communications-electronics equipment.
- The company depends on the brigade's signal company for teletypewriter, radio teletypewriter (RATT), message center operations, transceiver support, COMSEC logistics, and operation of the command frequency-modulated (FM) net control station that operates in the brigade administrative/logistics net.

MOBILITY

- This company requires the assistance of other units of the battalion to accomplish a tactical move in one lift.
- All equipment organic to the company can be transported in US Air Force aircraft.

EMPLOYMENT

This company establishes the battalion command post and normally is located in the brigade rear area. It provides personnel and equipment to command and control the support battalion. It also provides personnel services, finance, and Standard Installation/Division Personnel System (SIDPERS) interface branches for limited administrative, personnel, and finance support for the brigade. The company plans, coordinates, and supervises rear area protection activities in the battalion's areas of responsibility.

PERSONNEL**HQ & HQ CO, SPT BN, ACCB (TOE 29-156H)****BN HQ**

1	LTC	Bn Cdr	62624
1	MAJ	XO	62624
1	MAJ	Scty, Plans-Op Off	X2625
1	CPT	Comd Log Off	04010
1	CPT	CH	05310
1	CPT	Mtr Off	00600
1	CPT	Pers Stf Off	02260
1	E-9	CSM	00Z50

ADMIN SEC

1	E-7	PSNCO	75Z40
1	E-7	Sr Army CARCSLR	00E40
1	E-6	Legal Clk	71D30
1	E-5	Admin SP	71L20
1	E-4	CH Asst	71M10
1	E-4	Clk-Typist	71B10
2	E-3	Lt Veh Dvr	76Y10

SCTY, PLANS-OP SEC

1	CPT	Asst Scty, Plans-Op Off	02162
1	E-8	Op SGT	76Z5K
1	E-7	Acft Maint Op SGT	67Z40
1	E-7	Intel-Scty SGT	96B40
1	E-7	Maint Op SGT	63Z40
1	E-7	Sup-Svc Op SGT	76Z40
1	E-6	Cml Stf NCO	54E30
1	E-4	Clk Typist	71B10
1	E-4	Sr Voice Rdo Op	05E10
1	E-3	Lt Veh Dvr	76Y10
2	E-3	Voice Rdo Op	05E10

BN LOG SEC

1	E-7	Bn Mtr SGT	63C40
1	E-7	Bn Sup SGT	76Y40
1	E-5	Sup SP	76Y20
3	E-4	Sup SP	76Y10
1	E-4	Clk-Typist	71B10
2	E-3	Sup Clk	76Y10

BDE MAT MGT CEN

1	MAJ	Bde Mat Mgt Off	X2625
1	WO	Bde Food Advr	941A0
1	E-9	Bde Mat Mgt NCO	76Z5K
1	E-7	Food Svc Supv	94Z40
1	E-4	Clk-Typist	71B10

SUP MGT BR

1	CPT	Bde Ammo Sup Off	04515
1	CPT	Bde Sup Mgt Off	04200
1	CPT	Bde Petrl Sup Off	04960
1	CPT	Bde PB Off	04201
1	CPT	Sup Sys Off	04201
1	WO	Ammo Sup Tech	411A0
2	WO	Sup Tech	761A0
1	WO	Spt Sup Tech	762A0
1	E-8	Ch Sup NCO	76Z5K
1	E-7	Ch Ammo Clk	55B4K
1	E-7	Petrl Sup SGT	76W4K
1	E-7	Sup NCO	76D40
5	E-6	Mat Sup SGT	76D30
1	E-6	Acft Equip Sup SGT	76T3K
1	E-6	Subs Sup SGT	76X30
3	E-6	Sup Acct NCO	76Y30
1	E-5	Admin SP	71L20
1	E-5	AMDF SP	76P20
1	E-5	Stk Con Ed SP	76P20
2	E-5	Sr Ammo Rec Clk	55B20
2	E-5	Sr Sup Acct SP	76P20
1	E-4	AMDF SP	76P10
1	E-4	Ammo Rec Clk	55B10
1	E-4	Card Punch Op	74B10
4	E-4	Clk-Typist	71B10
1	E-4	Petrl Sup SP	76W10
1	E-4	Rept Clk	71B10
2	E-4	Sup Acct SP	76Y10
6	E-4	Mat Supmn	76D10
1	E-5	Asst Card Punch Op	71B20

MAINT MGT BR

1	CPT	Bde Maint Mgt Off	X4823
1	CPT	Mech Maint Off	04815
1	WO	C-E Rep Tech	286A0

PERSONNEL

MAINT MGT BR (Cont)

1	E-8	Maint Op SGT	67Z5K
1	E-7	Acft Armt Rep Tech Advr	68J4K
1	E-7	Asst Maint Op SGT	63Z4K
2	E-4	Clk-Typist	71B10

MOV BR

1	CPT	Mov Con Off	X0694
1	LT	Asst Mov Con Off	00694
1	E-7	Mov Supv	71N4K
2	E-6	Asst Mov Supv	71N30
1	E-4	Mov SP	71N10
2	E-3	Mov SP	71N10

ADMIN & SYS MAINT BR

1	CPT	ADP Off (PCM)	02401
1	E-8	Data Proc NCO	74Z50
1	E-5	Sys Anal	74F20
1	E-5	Programmer	74F20
1	E-4	Clk-Typist	71B10

ADP OP BR

1	WO	Data Proc Tech	741B0
1	E-7	Mach Op Supv	74D40
2	E-6	Shift Supv	74D30
1	E-5	I/O Con Clk	74D20
2	E-5	Mach Op SP	74D20
2	E-4	Mach Op	74D10
2	E-3	Card Punch Op	74B10
2	E-3	Mach Op SP	74D10

ADPE/GEN MAINT BR

1	E-7	UNIVAC 1005 Rpmn	34J40
1	E-5	UNIVAC 1005 Rpmn	34J20
2	E-4	Mpps Pwr Genr Op/Mech	52B10
1	E-4	Reefer SP	51L10

SIDPERS INTERFACE BR

1	WO	ADPS Tech	741C0
1	E-7	Ch Data Anal SP	74D40
1	E-5	Sys Anal	74F20

SIDPERS INTERFACE BR (Cont)

1	E-5	Admin SP	71L20
1	E-5	Data Anal	74D20
1	E-4	Card Punch Op	74B10
1	E-4	Data anal	74D10
1	E-4	Clk-Typist	71B10
1	E-3	Data Anal	74D10

PERS SVC BR

1	CPT	AG	02110
1	LT	Pers Mgt Off	02210
1	E-8	Pers SGT	75Z50
1	E-6	Admin Supv	71L30
1	E-6	Pers Act Supv	75E30
1	E-6	Postal NCO	71F30
1	E-5	Admin SP	71L20
2	E-5	Pers Mgt SP	75C20
1	E-5	Sr Pers Act SP	75E20
1	E-5	Window Clk	71F20
1	E-4	Asst Pers Mgt SP	75C10
1	E-4	Pers Act SP	75E10

FIN BR

1	CPT	Fin Off	06201
1	E-7	Qual Ed Supv	73C40
1	E-6	Qual Ed SP	73C30
1	E-5	Asst Qual Ed SP	73C20
1	E-5	Cashier	73C20
1	E-5	Pay SP	73C20
1	E-5	Tvl SP	73C20

MED PLT

1	CPT	Cdr	03160
1	CPT	Gen Med Off	03100
1	E-7	Plt SGT	91B40
1	E-6	Sr Clin SP	91C30
1	E-5	Clin SP	91C20
1	E-5	Med Lab SP	92B20
3	E-5	Sr Med Aidman	91B20
1	E-5	X-ray SP	91P20
2	E-4	Amb Dvr	91B10
3	E-4	Med Aidman	91B10
2	E-3	Amb Orderly	91B10

PERSONNEL**BDE PFDR SEC**

1	E-7	Sec SGT	11B4Y
3	E-6	Tm Ldr	11B3Y
3	E-5	Asst Tm Ldr	11B2Y
3	E-4	Sr Pfdr	11B1Y
3	E-3	Pfdr	11B1Y

BDE RIG SEC

1	E-7	Ch Hel Rig Advr	76Y40
1	E-6	Hel Rig Advr	76Y30
1	E-5	Ammo Rig Advr	55B20
1	E-5	POL Rig Advr	76W20
3	E-4	Ammo Rig	55B10
1	E-4	Petrl Rig	76W10
2	E-3	Asst Ammo Rig	55B10
3	E-3	Asst POL Rig	76W10

HQ CO

1	CPT	Co Cdr	02900
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HQ CO (Cont)

1	E-8	First SGT	76Z5M
1	E-7	Mess SGT	94B40
1	E-6	Mtr SGT	63B30
1	E-6	Sup SGT	76Y30
1	E-6	First Cook	94B30
2	E-5	First Cook	94B20
1	E-5	WVEH Mech	63B20
1	E-5	Unit Clk	75B20
1	E-4	Armr	76Y10
2	E-4	Cook	94B10
1	E-4	Equip Maint Clk	76D10
1	E-4	GP Power Genr Op/ Mech	52B10
1	E-4	PLL Clk	76D10
1	E-4	WVEH Mech	63B10
1	E-3	Sup Clk	76Y10
2	E-3	WVEH Mech	63B10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**HQ & HQ CO, SPT BN, ACCB (TOE 29-156H)**

Lchr, gren: 40mm	7
Rifle: 5.56mm	214
Genr: 3 kW, AC	3
Revolver: cal .38	3
Genr: 1.5 kW, AC	1
Pistol: cal .45	5
Genr: 3 kW, DC	1
Mg, 7.62mm: flex	4
Night vision site: AN/PVS-2	3
Rdo set: AN/GRC-160	2
Genr: 30 kW, AC	2
Rdo set: AN/PRC-77	11
Genr: 60 kW, AC	2

Rdo set: AN/VRC-46	4
Rdo set: AN/VRC-47	2
Rdo set con gp: AN/GRA-39	4
Equip, speech scty: TSEC/KY-38	3
Trk, util: 1/4-ton, 4x4	14
Tlr, cgo: 1/4-ton, 2-whl	8
Trk, amb: 3/4-ton	2
Trk, cgo: 3/4-ton, 4x4	7
Tlr, cgo: 3/4-ton, 2-whl	5
Trk, cgo: 2 1/2-ton, 6x6	3
Tlr, cgo: 1 1/2-ton, 2-whl	3
Trk, van: 5-ton, 6x6	2
Trk, van: 2 1/2-ton, 6x6	1
Tlr, tk: water, 40-gal	1
Trk, trac: 5-ton, 6x6	1
Stlr, van: 6-ton	4

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SUPPLY AND TRANSPORTATION COMPANY, SUPPORT BATTALION,
AIR CAVALRY COMBAT BRIGADE (TOE 29-157H)

COMPOSITION

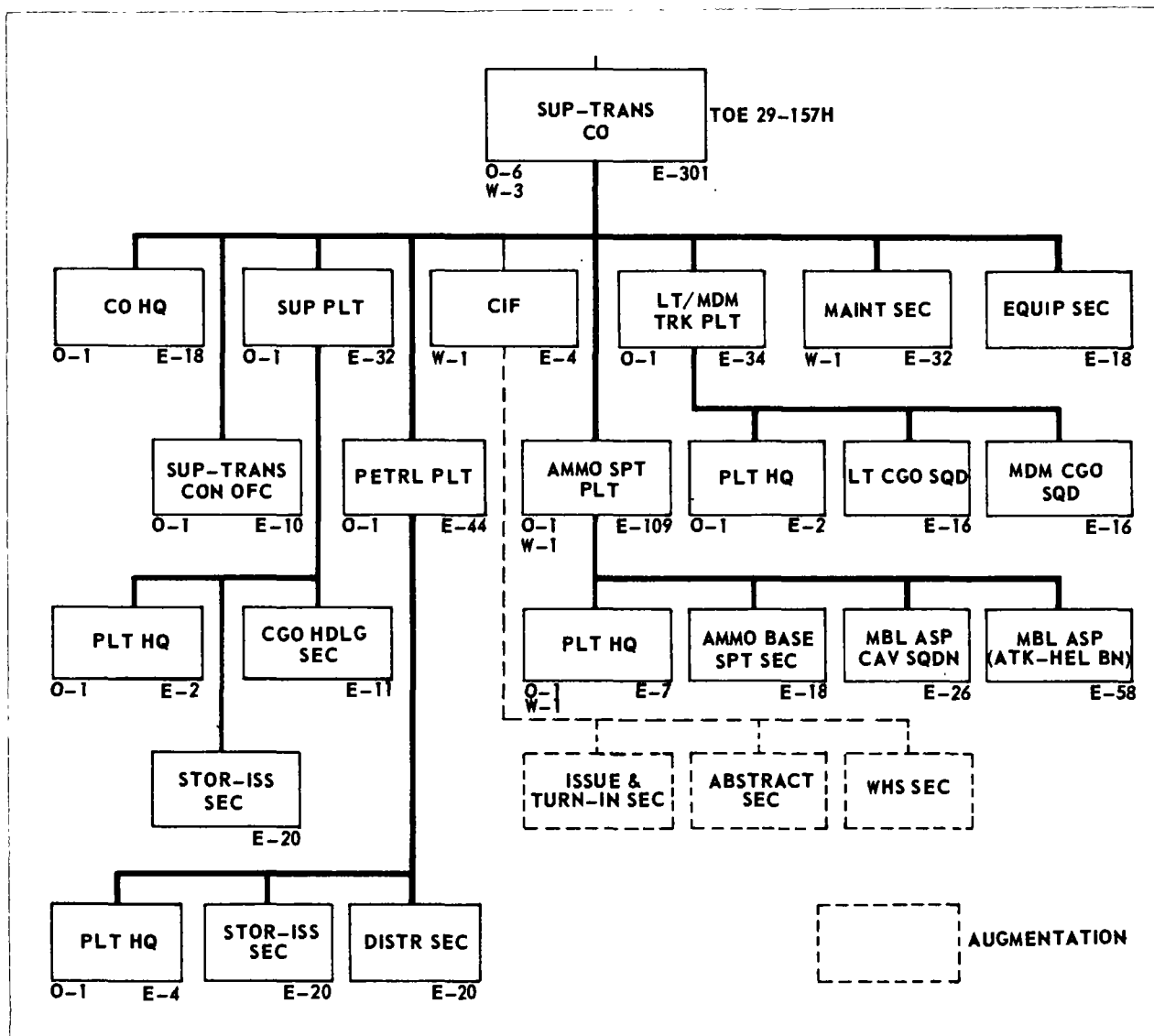


Figure 8-9. Supply and Transport Company, Support Battalion, Air Cavalry Combat Brigade.

MISSION

The mission of the supply and transportation company is to provide supply, transport, and services to the brigade.

ASSIGNMENT

One supply and transportation company is organic to the support battalion of the ACCB.

CAPABILITIES

- Provides and distributes classes I, II, III, IV, V, and VII supplies and unclassified maps, less aircraft, COMSEC, and airdrop equipment.
- Maintains designated brigade reserve supplies.
- Disposes of unserviceable equipment.
- Provides salvage service for abandoned materiel and supplies of all types, less toxic gases, ammunition, explosives, COMSEC, and medical equipment.

Based on 75 percent ground vehicle availability:

- Transports in one lift 32,175 gallons of bulk petroleum and approximately 127 short tons of general cargo.
- Transports in one lift approximately 108 short tons of ammunition for the air cavalry squadron and the two attack battalions.
- Coordinates requirements for brigade aircraft for airlift of supplies.
- Provides nucleus for a central issue facility for the receipt, storage, issue, exchange, and turn-in of organizational clothing and equipment.
- Provides fire extinguisher refill and exchange service.
- Provides minimum construction capability for the FAARP.
- Engages in effective, coordinated defense of the unit's area or installation.
- Performs organizational maintenance on organic equipment less communications-electronics equipment.

LIMITATIONS

- Depends on the brigade materiel management section, HHC, support battalion, for supply management and control of the brigade authorized stockage list maintained by this company.
- Depends on the appropriate elements of the brigade for legal, finance, and personnel administrative services.
- Depends on the brigade maintenance company for organizational maintenance of communications-electronics equipment.
- Depends on the corps support command (COSCOM) supply units or appropriate teams for the quartermaster service organization for the distribution of perishable substances.

MOBILITY

- On a tactical move, this company can move all its TOE equipment in one lift but requires assets from outside sources to move at least 37 of its 316 personnel to accomplish the move.
- All equipment of the unit is air transportable in US Air Force aircraft.

EMPLOYMENT

The supply and transportation company operates the brigade distribution points at the brigade support area. Additionally, this company has three organic fuel system supply points which supply fuel for both aircraft and ground vehicles for the brigade. The individual units do not need to requisition these fuels, but are required to furnish forecast of needs to facilitate proper stockage by the supply and transportation company.

The supply and transportation company also maintains the brigade reserves for all classes of supplies which are held in the brigade support area. The primary method for distributing these supplies is unit distribution, using air or ground means.

PERSONNEL**SUP & TRANS CO, SPT BN, ACCB (TOE 29-157H)****CO HQ**

1	MAJ	Co Cdr	04200
1	E-8	1SG	76Z5M
1	E-7	Mess SGT	95B40
1	E-6	Sup SGT	76Y30
1	E-6	First Cook	94B30
3	E-5	First Cook	94B20
1	E-5	Unit Clk	75B20
1	E-4	Armr	76Y10
3	E-4	Cook	94B10
1	E-4	Sr Fld Swbd Op	36K10
1	E-4	Sup SP	76Y10
1	E-4	Lt Veh Dvr	64C10
1	E-3	Sup Clk	76Y10
1	E-3	Fld Swbd Op	36K10
1	E-3	Tac Wire Op Sp	36K10

SUP-TRANS CON OFC

1	CPT	Op Con Off	04200
1	E-7	Ch Sup Con NCO	76P4K
1	E-7	Trk Master	64C40
1	E-5	Mat Sup Con NCO	55B20
3	E-5	Mat Sup Con NCO	76P20
1	E-5	Mat Sup Con NCO	76W20
1	E-5	Mat Sup Con NCO	76X20
1	E-4	Dspch	64C10
1	E-4	Rept Clk	71B10
1	E-4	Sup Con Clk	76P10

SUP PLT HQ

1	LT	Plt Ldr	04200
1	E-7	Plt SGT	76D40
1	E-4	Rept Clk	71B10

STOR/ISS SEC

1	E-6	Sec Ch	76V30
1	E-5	Rat Distr SGT	76X20
1	E-4	Fire Ext Filler SP	76V10
6	E-4	Mat Supmn	76D10
2	E-4	RT FLFT Op	62M10
1	E-4	Subs Sup SP	76X10
1	E-3	Mat Stor SP	76V10
1	E-3	Fire Ext Filler Helper	76Y10
3	E-3	Stk Clk	76V10
3	E-3	Subs Stk Clk	76X10

CGO HDLG SEC

1	E-5	Sec Ch	76V20
2	E-4	RT FLFT Op	62M10
3	E-4	Mat Stor SP	76V10
4	E-3	Mat Stor Hdrlr	76Y10

LT/MDM TRK PLT HQ

1	LT	Plt Ldr	00660
1	E-7	Plt SGT	64C40
1	E-4	Veh Dvr	64C10

LT CGO SQD

1	E-6	Sqd Ldr	64C30
3	E-4	Veh Dvr	64C10
12	E-3	Veh Dvr	64C10

MDM CGO SQD

1	E-6	Sqd Ldr	64C30
1	E-6	Hv Veh Dvr	64C30
3	E-5	Hv Veh Dvr	64C20
6	E-4	Hv Veh Dvr	64C10
5	E-3	Hv Veh Dvr	64C10

MAINT SEC

1	WO	Maint Tech	631A0
1	E-7	Mtr SGT	64C40

PERSONNEL**MAINT SEC (Cont)**

1	E-5	QM Equip Rpmn	63J20
6	E-5	WVEH Mech	63B20
1	E-4	Eng Equip Mech	62B10
1	E-4	Equip Maint Clk	71D10
1	E-4	GP Pwr Genr Op/ Mech	52B10
1	E-4	PLL Clk	76D10
2	E-4	QM Equip Rpmn	63J10
9	E-4	WVEH Mech	63B10
1	E-4	Wkr Op	63B10
1	E-3	Pwr Genr Equip Helper	52B10
1	E-3	QM Equip Rpmn	63J10
6	E-3	WVEH Mech	63B10

EQUIP SEC

1	E-6	Sec Ch	62N30
1	E-5	Asst Sec Ch	12B20
1	E-5	Dml SP	12B20
1	E-5	Sr Asphalt Op	62D20
1	E-5	Sr Crawler-Trac Op	62E20
1	E-4	Asst Dml SP	12B10
5	E-4	Const SP	12B10
1	E-4	Veh Dvr	63C10
1	E-4	Hv Veh Dvr	64C10
2	E-4	Ldr Op	62M10
2	E-3	Const Helper	12B10
1	E-3	Veh Dvr	64C10

PETRL PLT HQ

1	LT	Plt Ldr	04960
1	E-7	Plt SGT	76W40
2	E-4	Qual Survl SP	92C10
1	E-4	Rept Clk	71B10

STOR/ISS SEC

1	E-6	Sec Ch	76W30
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STOR/ISS SEC (Cont)

1	E-5	Petrl Sup Fman	76W20
4	E-4	Petrl Stor SP	76W10
1	E-4	RT FLFT Op	62M10
4	E-4	Sr Fuel Sys Op	76W10
9	E-3	Fuel Sys Op	76Y10

DISTR SEC

1	E-6	Sec Ch	76W30
4	E-5	Sr Petrl Hv Veh Dvr	76W20
1	E-5	Sr Petrl Lt Veh Dvr	76W20
10	E-4	Petrl Hv Veh Dvr	76W10
4	E-4	Petrl Lt Veh Dvr	76W10

CIF

1	WO	CIF Sup Tech	761A0
1	E-7	CIF Sup SGT	76Y40
1	E-5	Org Clo & Equip Sup SP	76Y20
1	E-4	Rept Clk	71B10
1	E-4	Org Clo & Equip Sup SP	76Y10

AMMO SPT PLT HQ

1	CPT	Plt Ldr	04514
1	WO	Ammo Tech	411A0
1	E-7	Plt SGT	55B40
2	E-6	Ammo Insp	55X30
2	E-5	Ammo Rec Clk	55B20
1	E-4	Ammo Rec Clk	55B10
1	E-4	Rept Clk	71B10

AMMO BASE SPT SEC

1	E-6	Ammo Sec Ch	55B30
1	E-5	Sr RT FLFT Op	62M20
4	E-5	Ammo Stor Asst	55B10
1	E-4	Cptr	51B10

PERSONNEL**AMMO BASE SPT SEC (Cont)**

7	E-4	RT FLFT Op	62M10
4	E-3	Ammo Stor Asst	55B10

MBL ASP (CAV SQDN)

1	E-6	Ammo Sec Ch	55B30
1	E-5	Hv Veh Dvr	64C20
1	E-5	Ammo Stor SP	55B20
1	E-4	Veh Dvr	64C10
2	E-4	Hv Veh Dvr	64C10
10	E-4	Ammo Stor Asst	55B10
1	E-3	Veh Dvr	64C10

MBL ASP (CAV SQDN) (Cont)

9	E-3	Ammo Stor Asst	55B10
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MBL ASP (ATK HEL BN)

2	E-6	Ammo Sec Ch	55B30
2	E-5	Hv Veh Dvr	64C20
2	E-5	Ammo Stor SP	55B20
3	E-4	Veh Dvr	64C10
20	E-4	Ammo Stor Asst	55B10
5	E-4	Veh Dvr	64C10
4	E-4	Hv Veh Dvr	64C10
20	E-3	Ammo Stor Asst	55B10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**SUP & TRANS CO, SPT BN, ACCB (TOE 29-157H)**

Lchr, gren: 40mm	5
Mg, 7.62mm	11
Genr: 1.5 kW, AC	2
Pistol: cal .45	1
Genr: 3 kW, DC	3
Rifle: 5.56mm	315
Genr: 5 kW, AC	1
Rdo set: AN/GRC-160	1
Genr: 10 kW, AC	1
Rdo set: AN/VRC-46	6
Genr: 15 kW, AC	1
Rdo set: AN/VRC-47	2
Equip, speech scty: TSEC/KY-38	1
Trk, util: 1/4-ton, 4x4	6
Tlr, cgo: 1/4-ton, 2-whl	4
Trk, cgo: 3/4-ton, 4x4	6
Tlr, cgo: 3/4-ton, 2-whl	2

Trk, cgo: 2 1/2-ton, 6x6	6
Trk, cgo: 2 1/2-ton, drop-side	2
Trk, cgo: 5-ton, drop-side	13
Tlr, cgo: 1 1/2-ton, 2-whl	10
Tlr, tk: 40-gal, 2-whl	1
Trk, cgo: 8-ton, 4x4	9
Trk, dump: 5-ton, 6x6	2
Trk, FLFT: 6,000-lb	19
Trk, tk: fuel svc, 2,500-gal	3
Trk, trac: 5-ton, 6x6	35
Trk, trac: 10-ton w/midship winch w/low mtd, 5th whl	1
Trk, wkr: 5-ton	1
Stlr, low-bed: 25-ton, 4-whl	4
Stlr, stake: 12-ton, 4-whl	26
Stlr, tk: fuel svc, 5,000-gal, 12-ton, 4-whl	6
Fuel sys sup pt: ptbl, 60,000-gal	3
Trac, FLFT: tracked, low-spd	1

TRANSPORTATION AIRCRAFT MAINTENANCE COMPANY, SUPPORT BATTALION, AIR CAVALRY COMBAT BRIGADE (TOE 55-417H)

The ACCB employs two concepts for aircraft maintenance. The first is aviation unit maintenance (AVUM). The air cavalry squadron and the attack helicopter battalions receive their more complex maintenance capabilities from the aviation unit maintenance platoon within the headquarters troop/companies.

The second concept employs the transportation aircraft maintenance (AVIM) company in the role of providing intermediate maintenance to operating units. This company provides 100 percent aircraft maintenance for those brigade aircraft not supported by AVUM and 40 percent backup intermediate maintenance for units that do have an AVUM capability. Additionally, it provides all intermediate avionics and armament maintenance. The company performs onsite maintenance whenever possible.

COMPOSITION

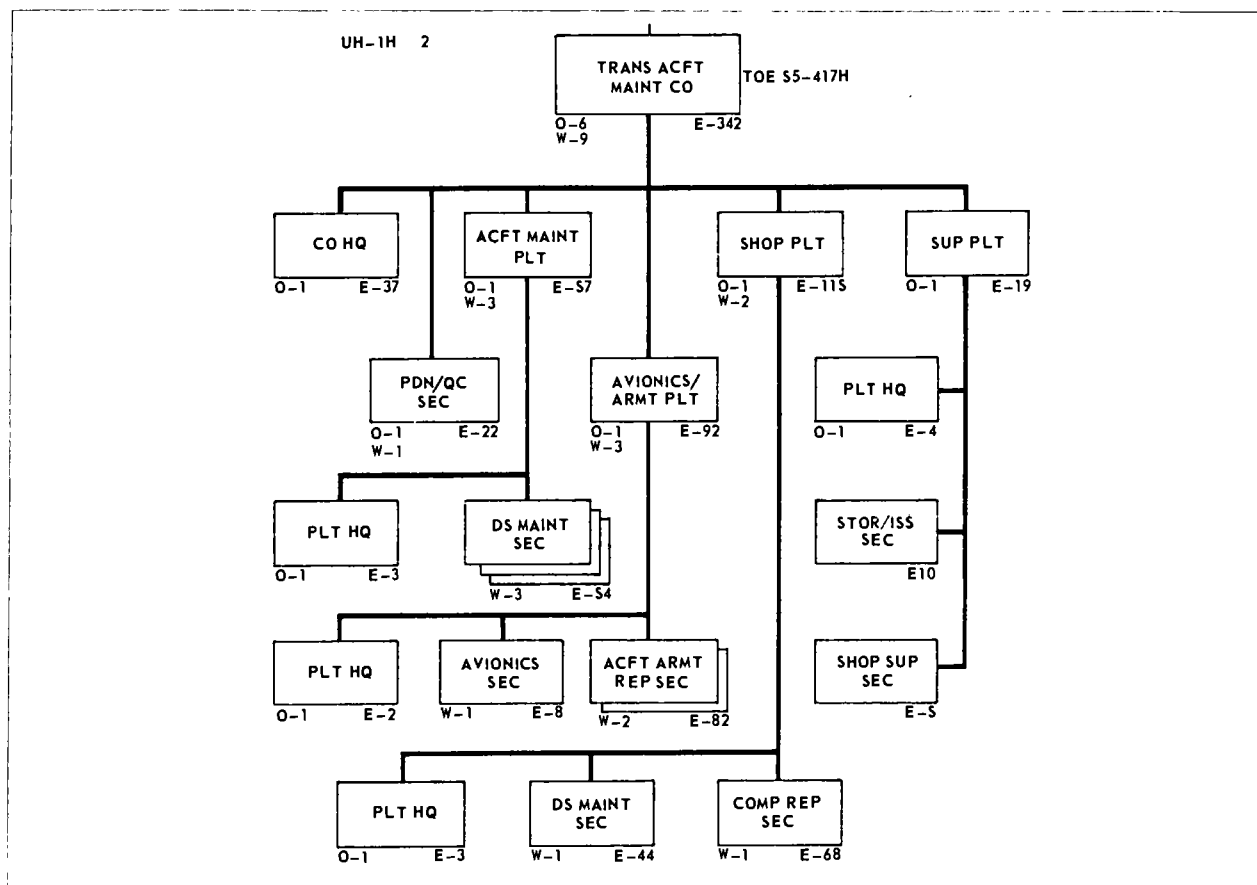


Figure 8-10. Transportation Aircraft Maintenance Company, Support Battalion, Air Cavalry Combat Brigade.

MISSION

The mission of the transportation aircraft maintenance company is to provide aviation intermediate maintenance to units of the ACCB possessing only a limited maintenance capability and that portion of the aircraft intermediate requirement not provided for within the AVUM capabilities. It also provides aircraft repair parts support, aircraft recovery support, and intermediate maintenance for avionics and aircraft armament to the air cavalry combat brigade.

ASSIGNMENT

One transportation aircraft maintenance company is organic to the support battalion of the ACCB.

CAPABILITIES

- Provides the following manhours of productive maintenance per year:

Turb Eng Rep	40,500	FC Rep	54,000
Rotor-Prop Rep	32,400	Mach	2,700
PWTN Rep	13,500	Acft Hyd Rep	5,400
Elec Rep	8,100	AH-1 Hel Rep	105,300
Inst Rep	2,700	UH-1 Hel Rep	40,500
AFRM Rep	67,500	OH-58 Hel Rep	62,100
Acft Armt Rep	151,000	CH-47 Hel Rep	35,100
Avionics Rep	18,900		

- Provides aviation intermediate maintenance capability to include backup aircraft maintenance support for AVUM.
- Provides aircraft armament and avionics maintenance for all organic aircraft of the ACCB.
- Receives, stores, and issues approximately 5,000 line items of repair parts for aircraft and related systems.
- Provides maintenance assistance and quality assurance for supported units.
- Operates a direct exchange service for selected air items.
- Provides an operational readiness float for selected air items for supported units.

FM 1-15

- Engages in effective, coordinated defense of its area.
- Performs organizational maintenance on its organic equipment less communications-electronics equipment.

LIMITATIONS

- Depends on appropriate elements of the brigade for medical, legal, finance, and personnel services; and for maintenance of communications-electronics equipment.
- Depends on the brigade materiel management center headquarters and headquarters company, support battalion for supply management and control of brigade authorized stockage list (ASL).

MOBILITY

To accomplish a tactical move in one lift, this unit requires the assistance of the supply and transportation company to move 219 personnel and 43,451 pounds of TOE equipment to include 12 5-ton tractors to pull its 12-ton semitrailers and maintenance vans.

- All organic equipment is air transportable in US Air Force aircraft.

EMPLOYMENT

The transportation aircraft maintenance company normally is located in the ACCB support area where it is more conducive to uninterrupted day and night operations. Operating units with AVUM capabilities concentrate their efforts on quick turnaround time repairs that will maintain a high aircraft availability rate. Aircraft requiring extensive repair or a more stable maintenance environment are evacuated to the transportation aircraft maintenance company.

Aircraft maintenance requirements that exceed the capability of the ACCB will be reported to the applicable materiel management center for evacuation instructions to designated backup corps aviation intermediate maintenance companies (AVIM).

For a more detailed discussion of this unit, refer to TC 17-47, Air Cavalry Combat Brigade.

PERSONNEL

TRANS ACFT MAINT CO, SPT BN, ACCB (TOE 55-417H)

CO HQ

1	MAJ	Co Cdr	71A00
1	E-8	1SG	67Z50
1	E-7	Food Svc SGT	94B40
1	E-7	Mtr SGT	63C40
1	E-6	Sup SGT	76Y30
1	E-5	Cook	94B20
1	E-5	Unit Clk	75B20
2	E-5	WVEH Mech	63B20
1	E-4	Acft Fuel Hdlg	76W10
1	E-4	Armr	76Y10
3	E-4	Cook	94B10
1	E-4	Eng Equip Mech	62B10
2	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	Mat Supmn	76D10
2	E-4	Mpps Pwr Genr Op/ Mech	52B10
1	E-4	PLL Clk	76D10
1	E-4	Sr Fld Swbd Op	36K10
1	E-4	Gen Supmn	76Y10
3	E-4	WVEH Mech	63B10
1	E-4	Wkr Op	63B10
2	E-3	Cook	94B10
1	E-3	Fld Swbd Op	36K10
1	E-4	Veh Dvr	64C10
2	E-3	Pwr Genr Equip Helper	52B10
1	E-3	Gen Supmn	76Y10
3	E-3	WVEH Mech	63B10
1	E-3	Eng Equip Mech	62B10

PDN/QC SEC

1	CPT	Pdn Con Off	71A00
1	WO	Acft Tech	100BR

PDN/QC SEC (Cont)

1	E-7	Ch Hel Tech Insp	67W4F
1	E-7	Pdn Con SGT	67Z4K
2	E-6	Acft Armt Rep Insp	68J30
2	E-6	Acft FC Rep Insp	35J30
1	E-6	Acft Turb Eng Insp	68B30
1	E-6	AFRM Insp	68G30
7	E-6	Hel Tech Insp	67W3F
2	E-5	UH-1 CRC	67N2F
1	E-4	Pdn Con Clk	71B10
1	E-4	QC Clk	71T10
1	E-4	Rept Clk	71B10
1	E-4	UH-1 Rpmn	67N10
1	E-4	Avionics Mech	35K10

ACFT MAINT PLT HQ

1	CPT	Plt Ldr	71A00
1	E-7	Plt SGT	67Z40
1	E-4	Rept Clk	71B10
1	E-4	Toolroom Keeper	67N10

DS MAINT SEC

3	WO	Acft Rep Tech	100BR
3	E-6	Sec Ch	67Y30
9	E-5	Sr AH-1 Rpmn	67Y20
3	E-5	Sr CH-47 Rpmn	67U20
6	E-5	Sr OH-58 Rpmn	67V20
3	E-5	Sr UH-1 Rpmn	67N20
9	E-4	AH-1 Rpmn	67Y10
6	E-4	OH-58 Rpmn	67V10
3	E-4	UH-1 Rpmn	67V10
3	E-4	UH-1 Rpmn	67N10
6	E-3	AH-1 Maint Helper	67Y10
3	E-3	OH-58 Maint Helper	67V10
3	E-3	UH-1 Maint Helper	67N10

PERSONNEL

AVIONICS/ARMT PLT HQ

1	LT	Plt Ldr	71A00
1	E-7	Plt SGT	45Z40
1	E-4	Rec Clk	71T10

AVIONICS SEC

1	WO	Avionics Maint Tech	286A0
1	E-6	Avionics Equip Maint Supv	35P30
2	E-5	Avionics Comm Equip Rpmn	35L20
1	E-5	Avionics Flt Equip Rpmn	35N20
1	E-5	Avionics Nav Equip Rpmn	35M20
2	E-5	Avionics Rdr Equip Rpmn	35R20
1	E-2	Avionics Comm Equip Rpmn	35L10

ACFT ARMT REP SEC

2	WO	Acft Armt Rep Tech	103AE
2	E-7	Sec SGT	68J40
2	E-7	Acft Armt Rep Supv	68J40
2	E-7	Acft FC Rep Supv	68J40
18	E-5	Acft Armt Rpmn	68J20
10	E-5	Sr FC Rpmn	68J20
28	E-4	Acft Armt Rpmn	68J10
10	E-4	Acft FC Rpmn	68J10
10	E-3	Asst Acft Armt Rpmn	68J10

SHOP PLT HQ

1	LT	Plt Ldr	71A00
1	E-7	Plt SGT	67Z50
1	E-4	Rec Clk	71T10
1	E-3	Toolroom Keeper	67Y10

DS MAINT SEC

1	WO	Avn Tech	103AR
1	E-7	Sec SGT	67Z40
1	E-6	Maint Supv	67N30
1	E-6	Maint Supv	67U30
1	E-6	Maint Supv	67V30
1	E-6	Maint Supv	67Y30
7	E-5	Sr AH-1 Rpmn	67Y20
2	E-5	Sr CH-47 Rpmn	67U20
3	E-5	Sr OH-58 Rpmn	67V20
3	E-5	Sr UH-1 Rpmn	67N20
7	E-4	AH-1 Rpmn	67Y10
6	E-4	CH-47 Rpmn	67U10
4	E-4	OH-58 Rpmn	67V10
3	E-4	UH-1 Rpmn	67N10
1	E-3	AH-1 Maint Helper	67U10
2	E-3	CH-47 Maint Helper	67U10
1	E-3	OH-58 Maint Helper	67V10

COMP REP SEC

1	WO	Avn Tech	103AR
1	E-7	Sec SGT	67Z40
1	E-7	AFRM Rep Supv	68G40
1	E-6	Acft Rotor-Prop Rep Supv	68G30
1	E-6	Acft Turb Eng Rep Supv	68B30
1	E-5	Acft Inst Rpmn	68F20
1	E-5	AFRM Welder	68G20
1	E-4	Mach	44E10
1	E-5	Sr Acft Elec	68F20
1	E-5	Sr Acft Hyd Rpmn	68H20
2	E-5	Sr Acft PWTN Rpmn	68D20
5	E-5	Sr Acft Rotor Rpmn	68G20
6	E-5	Sr Acft Sgl Turb Eng Rpmn	68B20

PERSONNEL**COMP REP SEC (Cont)**

10	E-5	Sr AFRM Rpmn	68G20
2	E-4	Acft Elec	68F10
1	E-4	Acft Hyd Rpmn	68H10
1	E-4	Acft Multi-Turb Eng Rpmn	68B10
2	E-4	Acft PWTN Rpmn	68D10
5	E-4	Acft Rotor Rpmn	68E10
6	E-4	Acft Sgl Turb Eng Rpmn	68B10
10	E-4	AFRM Rpmn	68G10
1	E-3	Acft PWTN Rep Helper	68D10
2	E-3	Acft Rotor Rep Helper	68G10
4	E-3	AFRM Rep Helper	68G10
2	E-3	Acft Sgl Turb Eng Rep Helper	68B10

SUP PLT HQ

1	CPT	Plt Ldr	71A00
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SUP PLT HQ (Cont)

1	E-7	Plt SGT	76D40
1	E-4	Sup Con/Acct Clk	76P10
1	E-3	Sup Con/Acct Clk	71P10
1	E-3	Rept Clk	71B10

STOR/ISS SEC

1	E-6	Mat Sup Supv	76D30
2	E-5	Mat Supmn	76D20
3	E-4	Mat Supmn	76D10
1	E-4	Mat Stor SP	76V10
1	E-4	RT FLFT Op	62M10
1	E-3	Mat Supmn	76D10
1	E-4	Pkg/Crtg SP	76V10

SHOP SUP SEC

1	E-5	Mat Supmn	76D20
2	E-4	Mat Supmn	76D10
2	E-3	Mat Supmn	76D10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**TRANS ACFT MAINT CO, SPT BN, ACCB (TOE 55-417H)**

Hel, UH-1H	2
Mg, 7.62mm: acft lt, door-mtd	4
Mg, 7.62mm: flex, lt w/mts	5
Revolver: cal .38	18
Rifle: 5.56mm	342
Rdo set: AN/GRC-160	3
Rdo set: AN/PRC-90	4
Rdo set: AN/VRC-46	1

Crane, whl-mtd: 3-ton	3
Genr: 60 kW	1
Genr: 15 kW, AC	1
Genr: 7.5 kW, DC	3
Genr: 5 kW, AC	4
Genr: 3 kW, DC	3
Genr: 1.5 kW, AC	6
Intg, cmpt: KIR-1A TSEC	1
Lchr, gren: 40mm, rifle	6

MAINTENANCE COMPANY, SUPPORT BATTALION, AIR CAVALRY COMBAT BRIGADE (TOE 29-158H)

The maintenance company provides direct support maintenance and repair parts supply support to the ACCB except for medical, photographic, COMSEC, aircraft, avionics, aircraft armament, automatic data processing equipment (ADPE), electronic accounting machine (EAM), airdrop, and light textile items. It provides limited vehicle recovery to supported units, operates a direct exchange service, maintains readiness floats of selected equipment, and provides technical assistance to the units of the brigade.

COMPOSITION

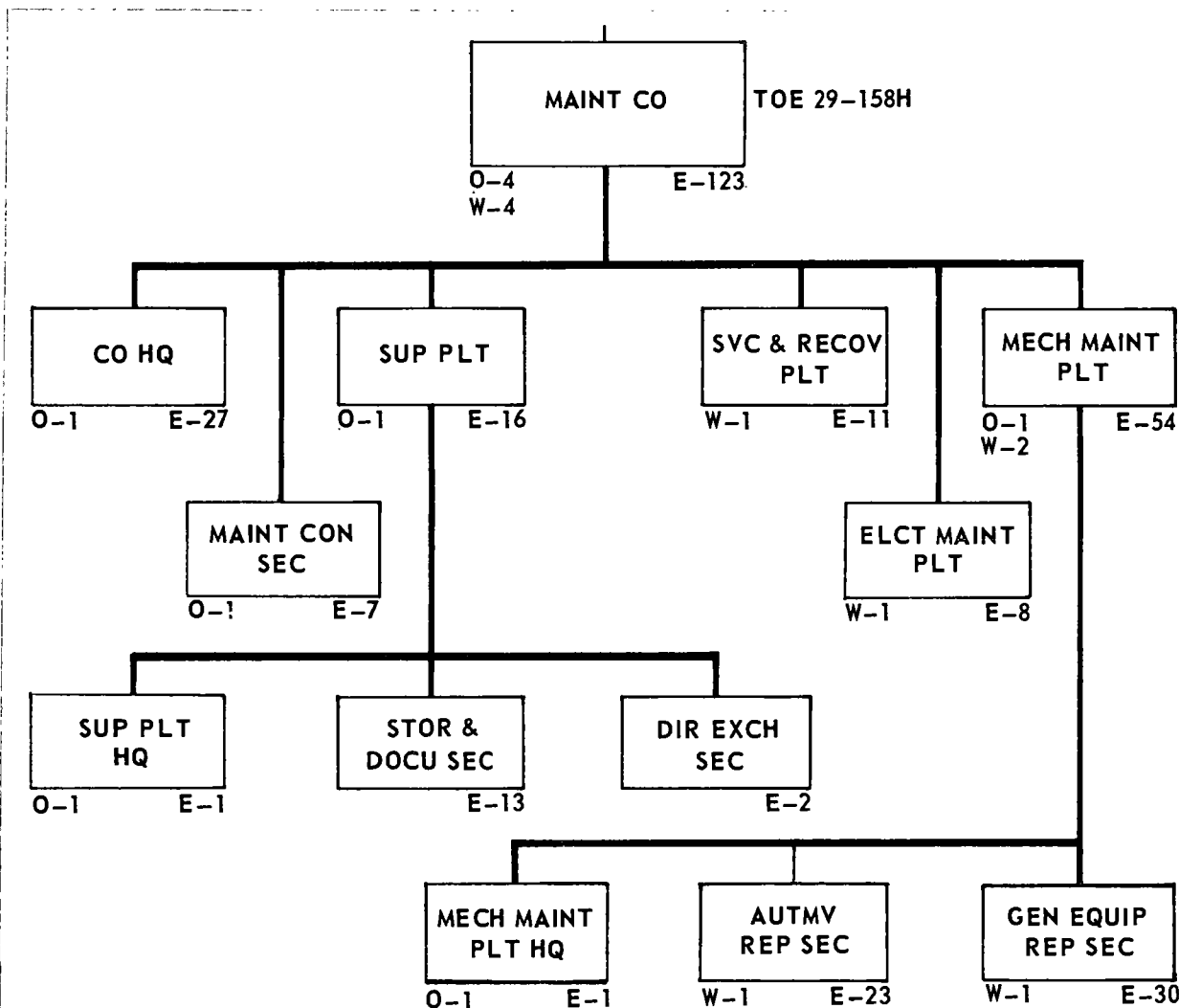


Figure 8-11. Maintenance Company, Support Battalion, Air Cavalry Combat Brigade.

MISSION

The mission of the maintenance company is to provide direct support maintenance and repair parts supply service to the units organic to the ACCB.

ASSIGNMENT

One maintenance company is organic to the support battalion of the ACCB.

CAPABILITIES

- Provides the following manhours of productive maintenance per year:

Autmv Rep	62,100	SA Rep	2,700
Metal Worker	18,900	Comm Equip Rep	13,500
Eng Equip Rep	8,100	Elec/Elct Equip Rep	8,100
Cml Equip Rep	2,700	FC Inst Rep	2,700
Pwr Genr Equip Rep	37,800	Ofc Mach Rep	2,700
QM Lt Equip Rep	5,400	Reefer Rep	5,400
QM Hv Equip Rep	5,400	Canvas Rep	2,700

- Receives, stores, and issues approximately 2,500 line items of repair parts.
- Operates a direct exchange service for selected items.
- Provides operational readiness floats for selected items.
- Engages in effective, coordinated defense of the unit's area of installation.
- Performs organizational maintenance on organic equipment and provides organizational maintenance support for communications-electronics equipment to the other elements of the support battalion.

LIMITATIONS

- Depends on appropriate elements of the support battalion for personnel administration, finance services, medical services, and religious services.
- Depends on appropriate teams for TOE 29-600, *Organizational Maintenance Teams*, for organizational maintenance of operational readiness floats.

MOBILITY

- In a tactical move using one lift by organic vehicles, the maintenance company can transport all of its equipment; however, additional transportation is required for approximately 73 personnel.
- All equipment organic to the maintenance company is air transportable by US Air Force aircraft.

EMPLOYMENT

The maintenance company normally is located in the brigade support area. In fast-moving situations or widely dispersed actions, elements of this unit may operate forward of the brigade support area. It provides contact and technical assistance teams and evacuation assistance to supported units.

Recovery and evacuation of the brigade's ground equipment is accomplished by the use of maintenance collection points; and whenever possible, organic aircraft return it to the brigade support area.

PERSONNEL

MAINT CO, SPT BN, ACCB (TOE 29-158H)				CO HQ (Cont)			
CO HQ				1	E-6	Sup SGT	76Y30
1	CPT	Co Cdr	77A00	1	E-6	First Cook	94B30
1	E-8	1SG	63Z5M	1	E-5	First Cook	94B20
1	E-7	Food Svc SGT	94B40	1	E-5	Sr WVEH Mech	63B20
1	E-7	Mtr SGT	63B40	1	E-5	Unit Clk	75B20
				1	E-4	Armr.	76Y10

PERSONNEL**CO HQ (Cont)**

2	E-4	Cook	94B10
1	E-4	Eng Equip Mech	62B10
1	E-4	Equip Maint Clk	76D10
1	E-4	Fld Rdo Mech	31B10
2	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	Mpps Pwr Genr Op/ Mech	52B10
1	E-4	PLL Clk	76D10
1	E-4	Sr Fld Swbd Op	36K10
4	E-4	WVEH Mech	63B10
1	E-3	Lt Veh Dvr	63A10
1	E-3	Pwr Genr Equip Helper	52B10
1	E-3	Gen Supmn	76Y10
1	E-3	Asst WVEH Mech	63B10

MAINT CON SEC

1	LT	Maint Con Off	77A00
1	E-7	Maint Con SGT	63H40
1	E-6	Tech Insp	52D30
2	E-6	Tech Insp	63H30
1	E-4	Equip Maint Clk	76D10
1	E-4	Mat Supmn	76D10
1	E-3	Clk	71B10

SUP PLT HQ

1	LT	Plt Ldr	92B00
1	E-7	Plt SGT	76D40

STOR AND DOCU SEC

1	E-6	Sec Ch	76D30
2	E-5	Mat Supmn	76D20
1	E-4	Pkg/Crtg SP	76Y10
1	E-4	Lt Veh Dvr	64D10

STOR AND DOCU SEC (Cont)

1	E-3	Veh Dvr	76D10
2	E-4	Mat SP	76D10
2	E-3	Mat Sup SP	76D10
2	E-4	Stk Con/Acct Clk	76P10
1	E-3	Stk Con/Acct Clk	76P10

DIR EXCH SEC

1	E-5	Sec Ch	76D20
1	E-4	Mat Supmn	76D10

SVC AND RECOV SEC

1	WO	Shop Tech	441A0
1	E-7	Sec Ch	44B40
1	E-5	Mach	44E20
1	E-5	Sr Metal Body Rpmn	44B20
1	E-5	Sr Welder	44C20
1	E-4	Fabric Rpmn	43M10
1	E-4	Crane Op	62F10
1	E-4	Metal Body Rpmn	44B10
1	E-4	Recov Veh Op	63F10
1	E-4	Welder	44B10
1	E-3	Metal Body Rep Asst	44A10
1	E-3	Welder Asst	44A10

ELCT MAINT PLT

1	WO	Plt Ch	286A0
1	E-7	Plt SGT	34W4K
1	E-5	Elct Devices Rpmn	35B20
1	E-5	Fld Rdo Relay Equip Rpmn	31L20
1	E-5	Fld Rdo Rpmn	31E20
1	E-5	Sr Man Cen Ofc Rpmn	36G20
1	E-5	Sr Sp Elct Devices Rpmn	35E20
1	E-4	Sp Elct Devices Rpmn	35E10
1	E-4	Tt Equip Rpmn	31J10

PERSONNEL**MECH MAINT PLT HQ**

1	LT	Plt Ldr	77A00
1	E-7	Plt SGT	63Z40

AUTMV REP SEC

1	WO	Autmv Rep Tech	632A0
1	E-7	Sec Ch	63H40
3	E-5	Sr Autmv Rpmn	63H20
1	E-5	Sr WVEH Mech	63B20
9	E-4	Autmv Rpmn	63H10
1	E-4	Fuel/Elec Sys Rpmn	63G10
3	E-4	WVEH Mech	63B10
3	E-3	Asst Autmv Rpmn	63H10
1	E-3	Asst Fuel/Elec Sys Rpmn	63G10
1	E-3	WVEH Mech	63B10

GEN EQUIP REP SEC

1	WO	Eng Equip Rep Tech	621A0
1	E-6	Sec Ch	52D30

GEN EQUIP REP SEC (Cont)

10	E-5	Pwr Genr Equip Rpmn	52D20
1	E-5	Sr Eng Equip Rpmn	62B20
1	E-5	Sr Ofc Mach Rpmn	41J20
1	E-5	Sr QM Lt Equip Rpmn	63J20
1	E-4	Cml Equip Rpmn	54D10
1	E-4	Eng Equip Rpmn	62B10
1	E-4	FC Inst Rpmn	41C10
4	E-4	Pwr Genr Equip Rep Asst	52B10
2	E-4	QM Lt Equip Rpmn	63J10
2	E-4	QM Hv Equip Rpmn	63K10
2	E-4	Reefer SP	51L10
1	E-4	SA Rpmn	45B10
1	E-3	Eng Equip Maint Helper	62B10
1	E-3	Asst QM Lt Equip Rpmn	63A10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**MAINT CO, SPT BN, ACCB (TOE 29-158H)**

Mg, 7.62mm: flex	4
Pistol, cal .45: auto	1
Rifle: 5.56mm	131
Rdo set: AN/VRC-46	1
Rdo set con gp: AN/GRA-39	1
Equip, speech scty: TSEC/KY-38	1
Trk, util: ¼-ton, 4x4	2
Tlr, cgo: ¼-ton, 2-whl	2
Trk, cgo: ¾-ton, 4x4	2
Tlr, tk: liq disp	1
Genr: 1.5 kW, AC & DC	6
Genr: 3 kW, DC	2

Genr: 5 kW, AC	3
Genr: 10 kW, AC	3
Genr: 30 kW, AC	1
Genr: 60 kW, AC	2
Trk, cgo: 2½-ton, 6x6	10
Trk, cgo: 5-ton, 6x6, LWB	1
Tlr, cgo: 1½-ton, 2-whl	13
Tlr, water: 400-gal, 1 1/2-ton	1
Trk, trac: 5-ton, 6x6	5
Trk, trac: wkr, 5-ton	1
Trk, van: shop, 2 1/2-ton, 6x6	8
Stlr, stake: 12-ton, 4-whl	2
Stlr, van: rep pts stor, 6-ton	3
FLFT: 6,000-lb	1

**ASSAULT SUPPORT HELICOPTER COMPANY, SUPPORT BATTALION,
AIR CAVALRY COMBAT BRIGADE (ACCB)/AIRMOBILE (AIR ASSAULT)
DIVISION (TOE 1-167H¹/1-258H²)**

The assault support helicopter company provides air transport of personnel, supplies, and equipment required to accomplish the combat support mission of the ACCB. The unit's primary role is logistical, but it may be used to transport personnel and to perform aeromedical evacuation if required.

COMPOSITION

The company consists of a company headquarters, flight operations platoon, two flight platoons, and a service platoon as shown on the figure D-1, page 297; and is the same as assault support helicopter companies of the air assault division.

DISCUSSION

The mission, capabilities, limitations, mobility, and employment of the company are the same as those explained in appendix D.

The brigade S3 establishes priorities for the employment of these aircraft in coordination with the brigade S4 and the movement control officer from the support battalion. When the transportation requirements exceed the transport capabilities of the brigade, the movement control officer requests additional support from the supporting corps support command.

SIGNAL COMPANY, AIR CAVALRY COMBAT BRIGADE

The signal operations company is organic to the brigade and operationally controlled by the brigade commander. This company installs, operates, and maintains the internal communications facilities for both the brigade headquarters and the support battalion headquarters. In addition, the company installs, operates, and maintains the multi-channel communications links required to interconnect the major headquarters of the brigade with their subordinate elements; and provides and operates secure radio stations in designated nets. The company performs direct support maintenance on communications security (COMSEC) equipment for the brigade. The support battalion provides combat service support to this company.

¹ TOE 1-167H is organic to the ACCB/ ambl (air aslt) div.

² Aslt spt hel co under TOE 1-258H is a nondiv avn unit.

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When augmented with Air Force personnel and equipment, this company will provide weather forecasts, briefings, and observations for the brigade commander and his staff.

A thorough discussion of this company is contained in FM 17-47, *Air Cavalry Combat Brigade*.

AUGMENTATIONS

In conformity with mission requirements as determined by the Department of the Army, the ACCB may be augmented with an administrative company and a medical company. When activated as components of the brigade, these companies increase the brigade's capabilities as discussed below.

ADMINISTRATION COMPANY, SUPPORT BATTALION, AIR CAVALRY COMBAT BRIGADE (TOE 12-177)

This company provides legal, inspector general, adjutant general, finance, information, and replacement services for the brigade. The unit also provides centralized personnel and administrative support to include the Standard Installation/Division Personnel System (SIDPERS) and Joint Uniform Military Pay System (JUMPS)-Army interface. Without the augmentation of this company, the ACCB must depend on the appropriate corps units for these services.

MEDICAL COMPANY, SUPPORT BATTALION, AIR CAVALRY COMBAT BRIGADE (TOE 8-157)

This company provides immediate battlefield aeromedical evacuation of patients. Without the augmentation of this unit, the ACCB is dependent on appropriate units of the corps for medical support.

CHAPTER 9

**ARMORED CAVALRY REGIMENT,
SEPARATE BRIGADES,
SEPARATE AIR CAVALRY SQUADRON**

This chapter discusses only the aviation assets of these organizations. The discussion here is intended as a guide to type organizations. The users of this manual are encouraged to consult appropriate TOEs for exact manning levels and equipment authorization for specific units.

ARMORED CAVALRY REGIMENT (ACR) (TOE 17-51H)

COMPOSITION

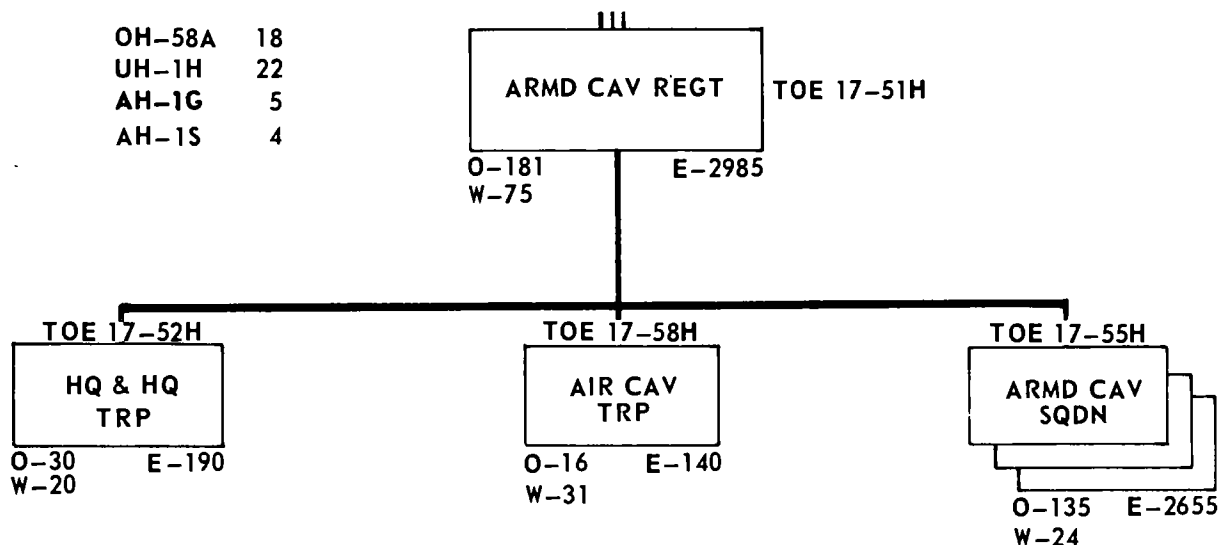


Figure 9-1. Armored Cavalry Regiment.

MISSION

The mission of the armored cavalry regiment is to provide security and to perform reconnaissance for the unit to which assigned or attached and to engage in offensive, defensive, or delaying action as an economy of force unit.

ASSIGNMENT

This unit is assigned to corps on the basis of one per corps.

CAPABILITIES

- Conducts reconnaissance operations.
- Conducts security operations.
- Operates in an economy of force role without being reinforced in offensive, defensive, or retrograde operations.
- Operates in support of forces engaged in stability operations.

MOBILITY

This unit is 100 percent mobile in organic vehicles and aircraft.



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AVIATION PLATOON, HEADQUARTERS AND HEADQUARTERS TROOP (HHT), ARMORED CAVALRY REGIMENT (ACR)

COMPOSITION

The platoon is located within the headquarters and headquarters troop and consists of those sections highlighted.

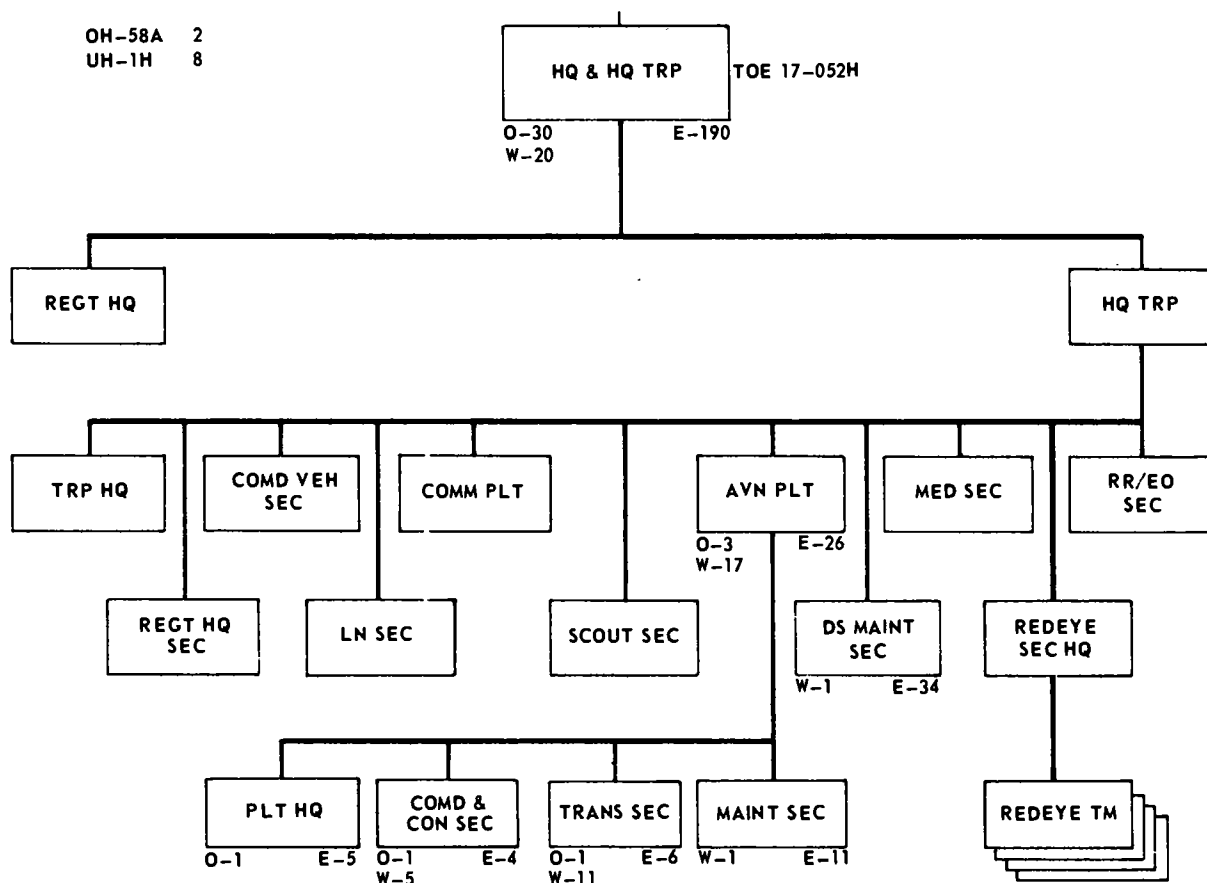


Figure 9-2. Aviation Platoon, Headquarters and Headquarters Troop, Armored Cavalry Regiment.

MISSION

The mission of the aviation platoon is to provide the regiment with helicopters for command, control, and liaison; limited troop transport; emergency resupply; and augmentation of the medical evacuation means, when requested.

ASSIGNMENT

There is one aviation platoon organic to HHT, armored cavalry regiment.

CAPABILITIES

- Provides limited aerial transport for troops, equipment, and supplies.
- Provides helicopters for command and control.
- Provides aerial observation and reconnaissance.
- Provides assorted missions, as required, i.e., wire laying, radio relay, radiological survey, augmentation of aeromedical evacuation means, and limited battle area illumination.

MOBILITY

This platoon is 100 percent mobile in organic vehicles.

EMPLOYMENT

The aviation platoon collocates with the regimental headquarters to provide aviation support to the commander and his staff for command and control of the armored cavalry regiment (ACR). The platoon's missions are controlled by the regimental S3 and the headquarters area on a mission basis. Although command and control is its primary mission, the platoon accomplishes a variety of tasks in support of the ACR's mission.

The platoon receives its full unit-level maintenance support from the AVUM section within the HHT. The AVUM section also performs full unit-level maintenance on all regimental aircraft. Intermediate-level maintenance support is provided the ACR from one of the AVIM companies assigned to corps.

PERSONNEL

AVN PLT, HHT, ARMD CAV REG

AVN PLT HQ

1	LT	Acft Maint Off	71A00
1	E-7	Plt SGT	67Z40
1	E-6	Flt Op Ch	71P30
1	E-4	Flt Op SP	71P10
2	E-3	Rdo Tel Op	11D10

COMD & CON SEC

1	LT	Sec Cdr	15A12
5	WO	Pilot, UH-1	100B0
2	E-5	UH-1 CRC	67N2F
2	E-5	OH-6/OH-58 CRC	67V20

TRANS SEC

1	LT	Sec Cdr	15A12
8	WO	Pilot, UH-1	100B0
6	E-5	UH-1 CRC	67N2F
1	WO	RW Flt Safety Tech	100BB
1	WO	RW IP	100BC
1	WO	RW Inst Exam	100B6

MAINT SEC

1	WO	Acft Rep Tech	100BR
2	E-6	Hel Tech Insp	67W3F
1	E-6	Sec Ch	67N30
1	E-5	Acft Fuel Hdlg SP	76W20
2	E-5	Sr UH-1 Rpmn	67N20
1	E-4	Acft Fuel Hdlg SP	76W10
2	E-4	UH-1 Rpmn	67N10

MAINT SEC (Cont)

1	E-4	Avionics Mech	35K10
1	E-3	UH-1 Maint Helper	67N10

DS MAINT SEC

1	WO	Acft Rep Tech	103AR
1	E-7	Maint Supv	67Z40
1	E-6	Hel Tech Insp	67W3F
1	E-5	Sr Acft Sgl Turb Eng Rpmn	68B20
2	E-5	Sr AFRM Rpmn	68G20
1	E-5	Sr Acft Rotor Rpmn	68G20
1	E-5	Sr AH-1G Rpmn	67Y20
3	E-5	Sr OH-6/OH-58 Rpmn	67V20
3	E-5	Sr UH-1 Rpmn	67N20
1	E-4	Acft Elec	68F10
2	E-4	Acft Sgl Turb Eng Rpmn	68B10
1	E-4	Acft PWTN Rpmn	68D10
1	E-4	Acft Rotor Rpmn	68G10
3	E-4	AFRM Rpmn	68G20
1	E-4	AH-1G Rpmn	67Y10
1	E-4	Acft Hyd Rpmn	68H10
3	E-4	OH-6/OH-58 Rpmn	67V10
3	E-4	UH-1 Rpmn	67N10
1	E-4	Mat Supmn	76D10
1	E-3	UH-1 Maint Helper	67N10
1	E-3	AFRM Rep Helper	68G10
1	E-3	OH-6/OH-58 Maint Helper	67V10
1	E-3	Mat Supmn	76D10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

AVN PLT, HHT, ARMD CAV REG

Rdo set, beacon: TRN-30	1
Hel, obsn: OH-58A	2
Hel, util: UH-1H	8
Rifle: 5.56mm	50
Crane, whl-mtd: 3-ton	1
Revolver: cal .38	31
Rdo set: AN/VRC-24	1
Equip, rfl: fwd area, FARE sys	1

Rdo set: AN/VRC-46	1
Genr: 0.3 kW, AC	1
Rdo set: AN/VRC-47	1
Genr: 1.5 kW	2
Rdo set: AN/PRC-77	2
Genr: 3 kW, DC	1
Rdo set: AN/PRC-90	20
Equip, speech scty (abn): TSEC/KY-28	10
Genr: 7.5 kW, DC	1

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

Trk, util: ¼-ton, 4x4	1	Trk, van: shop, 2½-ton, 6x6	2
Intg, cmpt: KIR-1A/TSEC	1	Goggles, night vision: PVS-5	10
Tlr, cgo: ¼-ton	1	Tlr, cgo: 1½-ton	8
Trk, cgo: 2½-ton, 6x6	5	Mg, 7.62mm: acft lt, door-mtd	16
Transponder, cmpt: KIT-1A/TSEC	10	Trk, cgo: 5-ton, 8x8	1

AIR CAVALRY TROOP, ARMORED CAVALRY REGIMENT (TOE 17-58H)

COMPOSITION

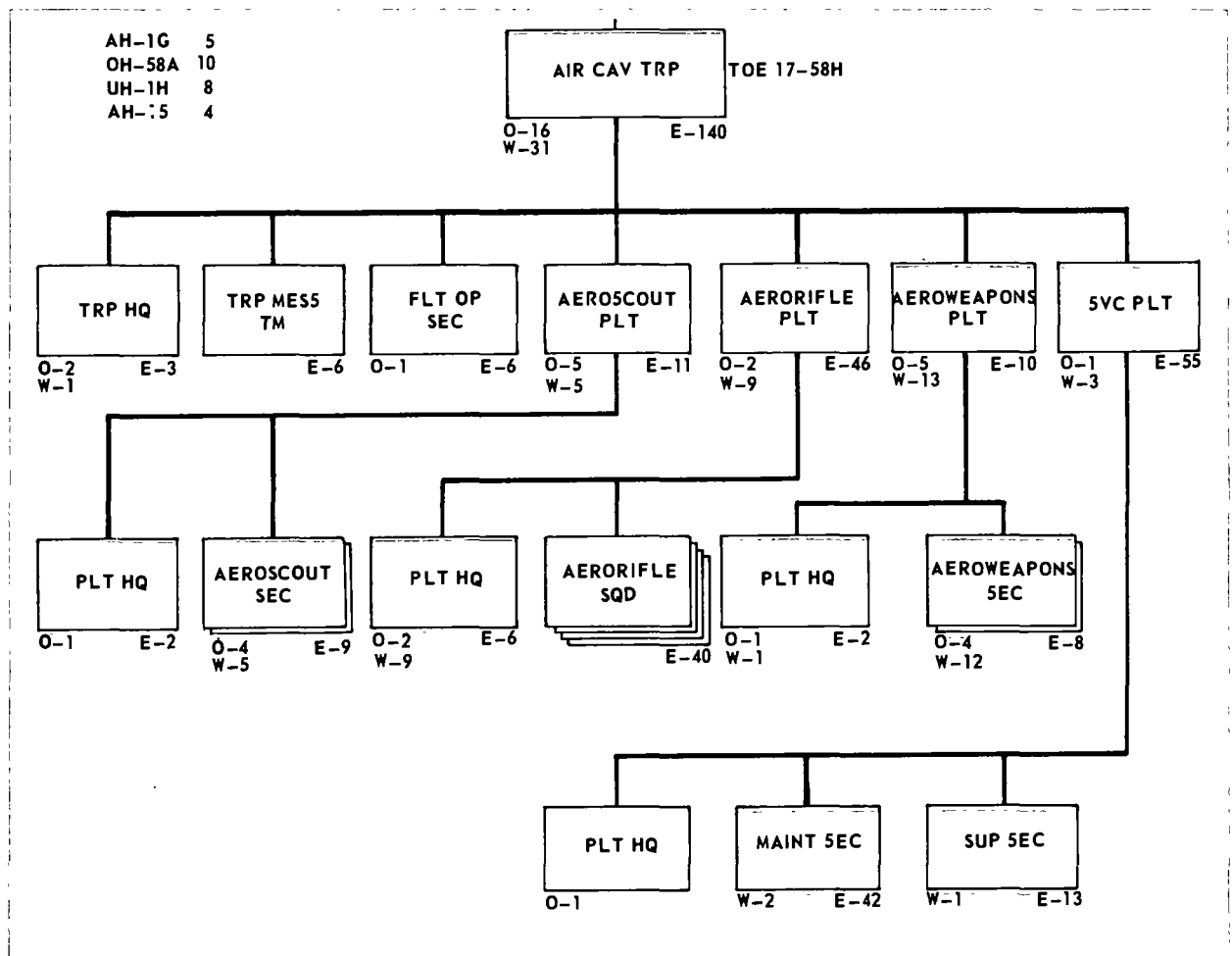


Figure 9-3. Air Cavalry Troop, Armored Cavalry Regiment.

MISSION

The mission of the air cavalry troop of the armored cavalry regiment (ACR) is to extend by aerial means the reconnaissance and security capabilities of ground units; to engage in offensive, defensive, or delay actions within its capability; and to seize and dominate lightly defended areas or terrain features.

ASSIGNMENT

This troop is organic to the armored cavalry regiment. The basis of allocation is one per armored cavalry regiment.

CAPABILITIES

- Performs air and ground reconnaissance and provides security for unit to which assigned or attached.
- Engages in offensive, defensive, or delaying actions.
- Conducts independent action when properly reinforced.

MOBILITY

This troop is 100 percent mobile in organic vehicles.

EMPLOYMENT

This troop is employed as described in appendix B in support of the activities of the ACR. For a more complete discussion, refer to the employment section of appendix B.

PERSONNEL**AIR CAV TRP, ARMD CAV REG (TOE 17-58H)****TRP HQ**

1	MAJ	Trp Cdr	15A12
1	CPT	XO	15A12
1	WO	RW Flt Safety Tech	100BB
1	E-8	1SG	11E5M
1	E-5	UH-1 CRC	67N2F
1	E-5	Unit Clk	75B20

TRP MESS TM

1	E-7	Food Svc SGT	94B40
1	E-6	First Cook	94B30
1	E-5	Cook	94B20
2	E-4	Cook	94B10
1	E-3	Cook	94B10

FLT OP SEC

1	CPT	Flt Op Off	15A12
1	E-7	Avn Op SGT	11D40
1	E-5	Tm Ch	05C20
1	E-4	Flt Op SP	71P10
1	E-6	Comm Ch	31G30
2	E-4	RATT Op	05F10

AEROSCOU PLT HQ

1	CPT	Plt Cdr	15A12
1	E-7	Plt SGT	67Z4F
1	E-5	OH-6/OH-58 CRC	67V2F

AEROSCOU SEC

2	LT	Sec Cdr	15A12
2	LT	Tm Ldr	15A12
4	WO	Pilot, OH-58	100GS
9	E-5	OH-6/OH-58 CRC	67V2F
1	WO	RW IP	100GC

AERORIFLE PLT HQ

1	CPT	Plt Cdr	15A12
1	LT	Asst Plt Ldr	11B00
7	WO	Pilot, UH-1	100B0
1	E-7	Plt SGT	11B40
5	E-5	UH-1 CRC	67N2F

AERORIFLE PLT HQ (Cont)

1	WO	RW IP	100BC
1	WO	RW Inst Exam	100B6

AERORIFLE SQD

4	E-6	SL	11B30
8	E-5	Tm Ldr	11B20
8	E-4	Auto Rflmn	11B10
8	E-4	Grendr	11B10
12	E-3	Rflmn	11B10

AEROWEAPONS PLT HQ

1	CPT	Plt Cdr	15A12
1	WO	RW IP	100EC
1	E-7	Plt SGT	67Z40
1	E-5	AH-1G CRC	67Y20

AEROWEAPONS SEC

2	LT	Sec Cdr	15A12
2	LT	Tm Ldr	15A12
11	WO	Pilot, AH-1G	100E0
1	WO	RW Inst Exam	100E6
8	E-5	AH-1G CRC	67Y20

SVC PLT HQ

1	CPT	Plt Cdr	71A00
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MAINT SEC

1	WO	Acft Rep Tech	100BR
1	WO	Pilot, UH-1	100BE
1	E-7	Acft Armt Supv	68M40
1	E-7	Maint Supv	67Z40
1	E-6	UH-1 Tech Insp	67N3F
1	E-6	AH-1G Tech Insp	67Y3F
1	E-6	OH-6/OH-58 Tech Insp	67V3F
1	E-5	Sr Avionics Mech	35K20
1	E-6	Mtr SGT	63B30
6	E-5	Sr Acft Armt Mech	68M20
1	E-5	UH-1 CRC	67N2F
2	E-5	Sr UH-1 Rpmn	67N20
2	E-5	Sr AH-1G Rpmn	67Y20
1	E-4	Fld C-E Equip Mech	31B10
1	E-4	Avionics Mech	35K10

PERSONNEL

MAINT SEC(Cont)

7	E-4	Acft Armt Mech	68M10
2	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	WVEH Mech	63B10
2	E-4	UH-1 Rpmn	67N10
2	E-4	AH-1G Rpmn	67Y10
1	E-4	Equip Maint Clk	76D10
1	E-3	AH-1G Maint Helper	67Y10
2	E-3	Asst WVEH Mech	63B10
1	E-5	Mat Supmn	76D10
2	E-4	Mat Supmn	76D10
1	E-3	Mat Supmn	76D10

SUP SEC

1	WO	Sec Ch	100B0
1	E-6	Sup SGT	76Y30
1	E-5	UH-1 CRC	67N2F
2	E-4	Ammo Stor SP	11E10
2	E-4	Acft Fuel Hdlg SP	76W10
2	E-3	Afld Svc Crmn	67V10
1	E-3	Gen Supmn	76Y10
1	E-4	Armr	76Y10
1	E-5	Afld Svc Supv	67Y20
1	E-5	Acft Fuel Hdlr	76W20
1	E-3	Acft Fuel Hdlr	76W10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

AIR CAV TRP, ARMD CAV REG (TOE 17-58H)

Rdo set, beacen: TRN-30	1
Hel, atk: AH-1G	9
Bipod rifle: 5.56mm w/case	8
Hel, obsn: OH-58A	10
Equip, rfl: fwd area, FARE sys	2
Hel, util: UH-1H	8
Genr: 0.5 kW, AC	1
Genr: 1.5 kW, AC & DC	6
Genr: 3 kW	1
Genr: 5 kW	1
Armt, subsys hel: 20mm, auto gun	4
Genr: 7.5 kW, DC	3
Lchr, rkt: 66mm, 4-tube	1
Intg, cmpt: KIR-1A/TSEC	2
Lchr, gren: 40mm, left or right feed	9
Metascope: PAS-6	8
Lchr, rkt acft: 2.75-inch	12
Goggles, night vision: PVS-5	27
Lchr, rkt acft: 2.75-inch, 19-tube (rep)	20
Pwr sup, VEH: Z-ACD	2
Lchr, gren: M203	19
Night vision sight, ind-serv wpns: PVS-2	8

Mg, 7.62mm: 6-bbl	15
Transponder, cmpt: KIT-1A/TSEC	27
Mg, 7.62mm: acft lt, door-mtd	16
Mg, 7.62mm: lt, flex w/mts	14
Mg, cal .50: HB flex w/mts	8
Missile, guided: trac, ir (DRAGON)	2
Revolver: cal .38	68
Rifle: 5.56mm	126
Rdo set: AN/VRC-47	4
Rdo set: AN/PRC-77	11
Rdo set: AN/PRC-90	54
Rdo set con gp: AN/GRA-39	1
RATT set: AN/GRC-142	1
Equip, elct tt scty: TSEC/KW-7	1
Equip, speech scty (abn): TSEC/KY-28	28
Equip, speech scty: TSEC/KY-38	2
Trk, util: ¼-ton, 4x4	3
Tlr, cgo: ¼-ton	3
Trk, cgo: 1¼-ton, 6x6	10
Trk, van: 2½-ton, 6x6	1
Tlr, cgo: 1½-ton	8
Tlr, ammo: 1½-ton	2
Tlr, tk: water, 400-gal	1
Trk, cgo: 5-ton, 8x8	3
Trk, wkr: 5-ton, 6x6	1

AVIATION SECTION, HEADQUARTERS AND HEADQUARTERS TROOP, ARMORED CAVALRY SQUADRON, ARMORED CAVALRY REGIMENT (TOE 17-56H)

COMPOSITION

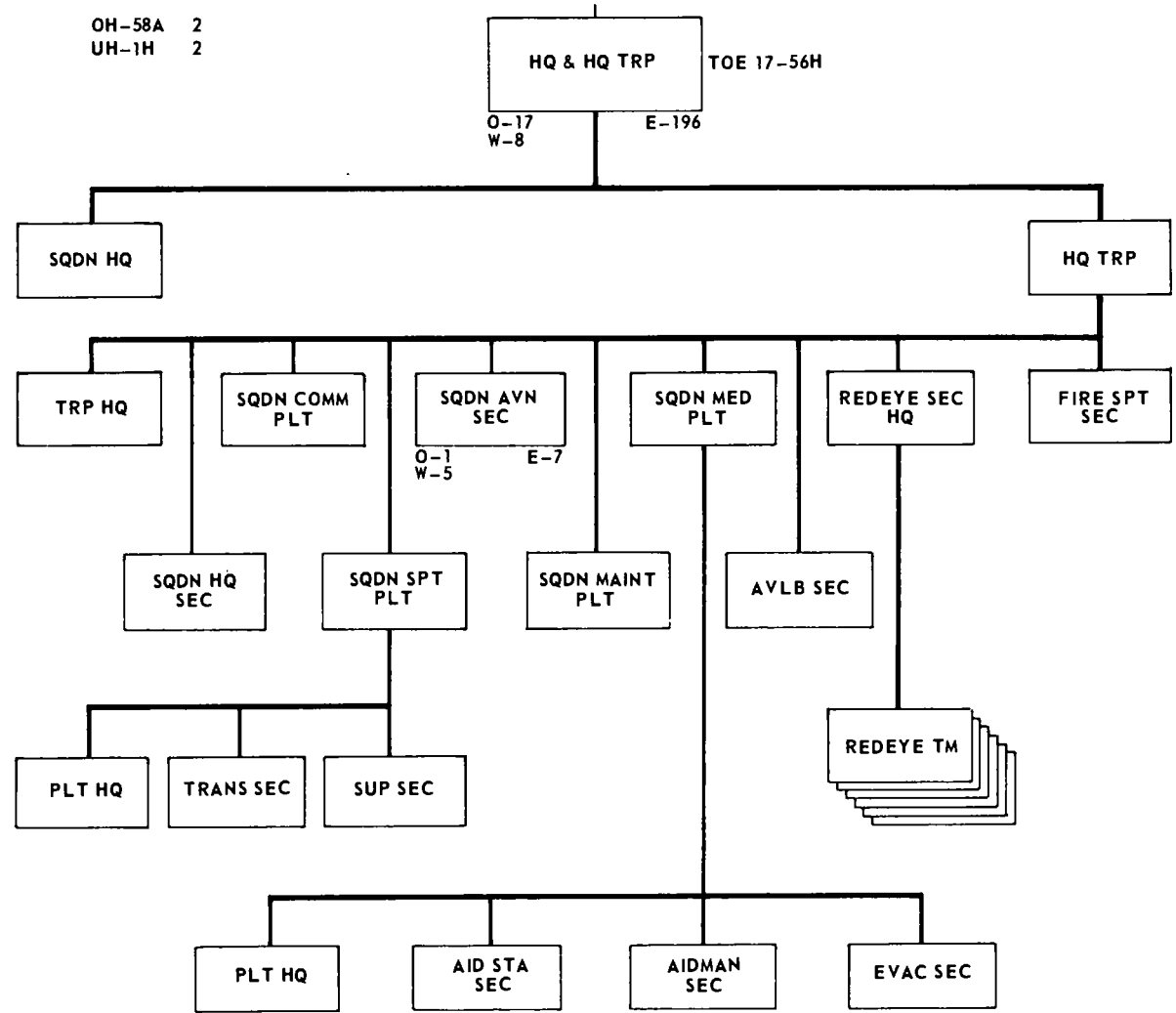


Figure 9-4. Headquarters and Headquarters Troop, Armored Cavalry Squadron, Armored Cavalry Regiment.

MISSION

The mission of the aviation section is to provide the squadron with aircraft for command, control, liaison, limited troop transport, and emergency supply and augmentation of evacuation resources.

ASSIGNMENT

There is one aviation section organic to the HHT, armored cavalry squadron.

CAPABILITIES

- Provides helicopters for command, control, and liaison.
- Provides for limited troop transport, and emergency supply and evacuation.

MOBILITY

This section is 100 percent mobile in organic vehicles.

EMPLOYMENT

The section is assigned missions based on the priority determined by the squadron S3. Its primary mission is to provide command and control aircraft for the squadron commander and his staff. The section has very limited maintenance capability and receives full unit-level aircraft maintenance support from the AVUM section of HHT, ACR.

PERSONNEL

SQDN AVN SEC, HHT, ARMD CAV SQDN, ARMD CAV REG (TOE 17-56H)							
AVN SEC				1	WO	RW IP	100BC
				1	E-6	Hel Tech Insp	67W3F
1	LT	Sec Cdr	15A12	2	E-5	UH-1 CRC	67N2F
2	WO	Pilot, UH-1	100B0	2	E-5	OH-6/OH-58 CRC	67V20
1	WO	RW Flt Safety Tech	100BB	1	E-4	UH-1 Rpmn	67N10
1	WO	RW Inst Exam	100B6	1	E-4	Avionics Mech	35K10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

SQDN AVN SEC, HHT, ARMD CAV SQDN, ARMD CAV REG (TOE 17-56H)			
Rdo set, beacon: TRN-30	1	Intg, cmpt: KIR-1A/TSEC	1
Hel, obsn: OH-58A	2	Rdo set: AN/VRC-46	1
Mg, 7.62mm: acft lt, door-mtd	4	Genr: 7.5 kW, DC	1
Hel, util: UH-1H	2	Rdo set: PRC-90	8
Goggles, night vision: PVS-5	4	Genr: 1.5 kW, AC	1
Rifle: 5.56mm	4	Equip, speech scty (abn): TSEC/ KY-28	4
Lchr, gren: 40mm, rifle	1	Transponder, cmpt: KIT-1A/TSEC	4
Revolver: cal .38	9	Trk, cgo: 1 ¼-ton, 6x6	1
		Trk, cgo: 2 ½-ton, 6x6	1
		Tlr, cgo: 1 ½-ton	1

SEPARATE AIR CAVALRY SQUADRON (NONDIVISIONAL) (TOE 17-195T)

The mission, capabilities, mobility, and employment of the separate air cavalry squadron and its subordinate elements (TOEs 17-196T and 17-198T) (fig 9-5) are the same as that discussed in appendix B.

It is assigned on an "As required" basis to the army component command or corps. The corps (or army component command) commander has the option of maintaining the squadron as corps (component command) assets, placing it under the operational control (OPCON) of—or attaching it to—a separate brigade or a division. In this way, the squadron may be employed intact or may be fragmented and employed by troop. The flexibility of this unit permits the corps (component command) commander a variety of options to meet the demands of the tactical situation.

COMPOSITION

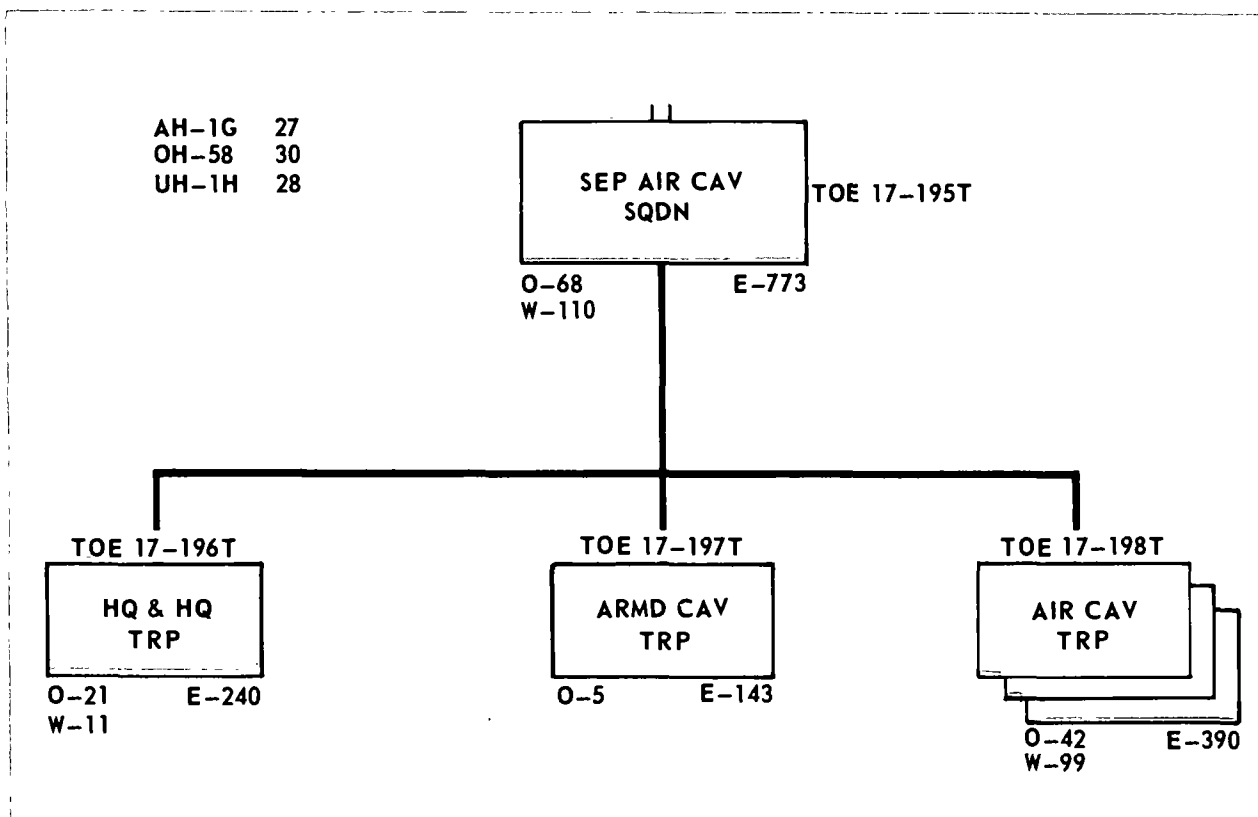


Figure 9-5. Separate Air Cavalry Squadron (Nondivisional).

SEPARATE BRIGADES (INFANTRY, MECHANIZED, LIGHT INFANTRY, AIRBORNE, AND ARMORED)

COMPOSITION

Unlike the division brigade, the separate brigades are assigned a brigade base. These organic units provide the separate brigades the capability to conduct sustained independent operations. The brigade base provides the necessary command, combat support, and combat service support to sustain operations of up to five attached combat battalions. The base consists of a headquarters and headquarters company, a support battalion, an armored cavalry troop, and a field artillery battalion.

ASSIGNMENT

The brigades are assigned to corps or army component command on an "As required" basis.

ORGANIC AVIATION

Organic aviation assets of the separate brigades are located in the brigade headquarters and headquarters companies. TOE numbers and aircraft authorizations for the brigade HHCs are shown below:

UNIT	TOE	AIRCRAFT
HHC, Inf Bde (Sep)	7-102H	(8) OH-58, (3) UH-1H
HHC, Abn Bde (Sep)	57-102H	(8) OH-58, (3) UH-1H
HHC, Lt Inf Bde (Sep)	77-102H	(8) OH-58, (3) UH-1H
HHC, Armd Bde (Sep)	17-102H	(6) OH-58, (2) UH-1H
HHC, Mech Bde (Sep)	37-102H	(6) OH-58, (2) UH-1H

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The command aviation section of the infantry, airborne, and light infantry brigades are identical. These sections provide aviation assets and limited aircraft maintenance capabilities to support the command, control, liaison, and reconnaissance efforts of the brigade. Their primary mission is to provide air transport to the brigade commander and his staff. The aviation section commander also acts as the brigade aviation officer and advises the brigade commander on all aviation matters. Personnel and selected equipment authorized these sections are shown as follows:

PERSONNEL

HHC, SEP LT INF (TOE 77-102H) /ABN BDE (TOE 57-102H)							
COMD AVN SEC				2	E-5	Sr Avionics Mech	35K20(P)
1	CPT	Sec Cdr	15A11	2	E-5	Sr OH-58 Rpmn	67V20(P)
2	LT	Hel Pilot	15A11	1	E-5	Sr UH-1 Rpmn	67N20(P)
1	WO	Acft Rep Tech	100GR/BR	3	E-5	UH-1 CRC	67N2F
7*	WO	Pilot, OH-58	100G0	1	E-4	Acft Fuel Hdlg SP	76W10(P)
1	WO	Inst Flt Exam	100B6	1	E-4	Avionics Mech	35K10(P)
1	WO	Flt Safety Tech	100BB	2	E-4	OH-58 Rpmn	67V10(P)
1	WO	IP	100BC	1	E-4	Mat Supmn	76D10(P)
1	E-7	Sec SGT	67Z40(P)	1	E-4	UH-1 Rpmn	67N10(P)
1	E-6	Maint Supv	67V30(P)	1	E-3	OH-58 Maint Helper	67V10(P)
1	E-6	Tech Insp	67N3F	1	E-3	Afld Svc Crmn	67V10(P)
1	E-6	Tech Insp	67V3F	NOTE: Data in parenthesis reflects those personnel that are airborne qualified when organic to TOE 57-102H.			
1	E-5	Sr Avionics Mech	35K20(P)				
2	E-5	Sr OH-58 Rpmn	67V20(P)				
1	E-5	Sr UH-1 Rpmn	67N20(P)	*Quantity is increased by one when organic to TOE 57-102H.			

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

HHC, SEP LT (TOE 77-102H) /ABN BDE (TOE 57-102H)			
Hel, obsn: OH-58A	8(8)	Rdo set: AN/GRC-160	11
Lchr, gren: 40mm	12	Tlr, cgo: ¼-ton	1(1)
Hel, util: UH-1H	3(3)	Intg, cmpt: KIR-1A / TSEC	1(1)
Mg, 7.62mm: door-mtd	6(6)	Trk, cgo: 1 ¼-ton, 6x6	1(15)
Rifle: 5.56mm	16(14)	Rdo set: VRC-46	9
Genr: .5 kW, AC	1(1)	Trk, cgo: 2 ½-ton, 6x6	2(3)
Revolver: cal .38	20(20)	Trk, tk: fuel svc, 2 ½-ton	3
		Tlr, cgo: 1 ½-ton	2(2)
		Goggles, night vision: AN/PVS-5	9(8)
		Rdo set: AN/PRC-90	22(22)

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

Comd console: ASC-15	1
Equip, speech scty (abn): TSEC/ KY-28	11
Genr: 1.5 kW, AC	2(2)

Trk, util: ¼-ton	1(1)
------------------	------

NOTE: Data in parenthesis reflects that equipment unique to TOE 57-102H.

The aviation assets of the armored (TOE 17-102H) and mechanized (TOE 37-102H) brigades are not identical and consist of an aviation section and a command aviation section. The aviation section includes the brigade aviation officer, who advises the brigade commander on aviation matters and commands the command aviation section. Personnel and equipment authorized these sections are shown as follows:

PERSONNEL

HHC, SEP ARMD (TOE 17-102H) /INF (MECH) BDE (TOE 37-102H)							
AVN SEC				1	WO	RW IP	100GC
1	MAJ	Bde Avn Off	15A11	1	WO	Flt Safety Tech	100BB
1	E-4	Clk-Typist	71B10	1	E-7	Sec SGT	67Z40
COMD AVN SEC				1	E-6	Maint Supv	67V30
1	CPT	Sec Cdr	15A11	1	E-6	Hel Tech Insp	67W3F
2	LT	RW Pilot	15A11	2	E-5	Sr OH-58 Rpmn	67V20
5	WO	RW Pilot, OH-58	100G0	2	E-5	UH-1 CRC	67N2F
1	WO	RW Inst Exam	100B6	1	E-4	Acft Fuel Hdlg SP	76W10
				1	E-4	Avionics Mech	35K10
				2	E-4	OH-58 Rpmn	67V10
				1	E-4	Mat Supmn	76D10
				1	E-4	UH-1 Rpmn	67N10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

HHC, SEP ARMD (TOE 17-102H) /INF (MECH) BDE (TOE 37-102H)							
Revolver: cal .38	16(5)	Mg, 7.62mm: acft lt, door-mtd	4				
Genr: 0.5 kW, AC	1	Hel, UH-1H	2				
Rifle: 5.56mm	11(13)	Goggles, night vision: PVS-5	6(4)				
Genr: 1.5 kW, AC	2	Hel, OH-58A	6(4)				
Rdo set: AN/VRC-47	(1)	Equip, speech scty: TSEC/KY-28	8(4)				
Genr: 7.5 kW, DC	1	Transponder, cmpt: KIT-1A/TSEC	8(4)				
Intg, cmpt: KIR-1A/TSEC	1(1)	Rdo set: AN/PRC-77	1				
		Rdo set: AN/PRC-90	16(8)				
		Trk, cgo: 1½-ton, 6x6	1				
		Trk, util: ¼-ton, 4x4	1				

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

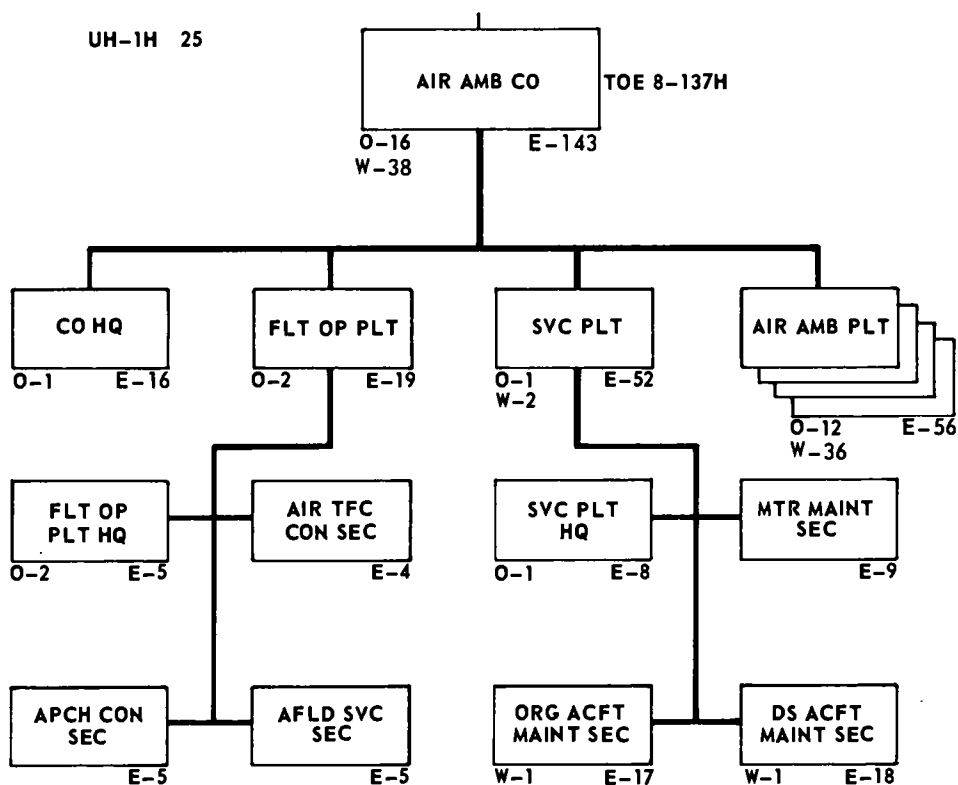
Trk, cgo: 2½-ton, 6x6	1	Tlr, cgo: 1½-ton	1(2)
Tlr, cgo: ¼-ton	1	Pistol: cal .45, auto	(7)
Lchr, gren: 40mm, rifle	(2)	Rdo set: URC-10	(6)
Trk, cgo: ¾-ton, 4x4	(2)		
Trk, cgo: 1¼-ton, 6x6	(1)		
Trk, tk: fuel svc, 2½-ton	1(1)		
Hel obsn: OH-13S	(6)		

NOTE: Equipment quantities in parenthesis indicate items organic to TOE 17-102H.

MAINTENANCE

The aviation sections of all five separate brigades have a limited aviation unit maintenance capability. Their maintenance capabilities are limited to the capabilities of the trained personnel assigned. (See the MOS structure in appendix E.) These aviation sections must rely on the AVIM companies for full intermediate maintenance and that portion of unit maintenance afforded by aircraft maintenance shops.

CHAPTER 10

MEDICAL AIR EVACUATION UNITSAIR AMBULANCE COMPANY
(NONDIVISIONAL) (TOE 8-137H)*COMPOSITION**Figure 10-1. Medical Air Ambulance Company (Nondivisional).*

MISSION

The mission of the medical air ambulance company is to provide aeromedical evacuation of selected patients; to provide emergency movement of medical personnel and accompanying equipment and supplies to meet a critical requirement, and to insure uninterrupted delivery of whole blood, biologicals, and medical supplies when there is a critical requirement.

ASSIGNMENT

The medical air ambulance company is assigned to the medical brigade of the army component command on the basis of one per 16,000 troops supported.

CAPABILITIES

- Provides aeromedical evacuation of critically wounded or other patients to the appropriate medical unit capable of providing required treatment.
- Commands and controls from one to four helicopter ambulance teams.
- Provides aeromedical evacuation of patients from units in support of combat troops, except from an airhead or airborne force objective area that is logistically supported by the United States Air Force.
- Provides aeromedical evacuation of patients when surface evacuation is not feasible or is insufficient.
- Provides expeditious delivery of medical personnel and materiel to meet emergency treatment requirements within the combat zone.
- Provides inflight emergency medical care.
- Capable of providing facilities for the operation of an instrumented heliport.

MOBILITY

- On a tactical move, this unit requires transportation for approximately 45 percent of its organic equipment and personnel.
- This company is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The company normally is employed under the overall direction of the medical brigade commander who exercises operational control through a subordinate medical group. The company usually operates under mission-type orders which assign the role in supporting a corps. The company commander provides detailed direction of his unit's operations. He simultaneously acts as staff advisor to the parent medical group headquarters in all aeromedical operations. Individual evacuation mission requests are processed through appropriate communications channels for approval. Assignment of priority by the surgeon at each level is in accordance with the command aeromedical evacuation standing operating procedures (SOPs).

Subsequent to approval, requests are forwarded to the company headquarters or directly to helicopter ambulance platoons, as the situation dictates. Platoons may operate semi-independent of the parent company for a limited period and may be placed in direct or general support of combat units. Air ambulance company capabilities may be reinforced by attaching helicopter ambulance detachments, team RA. TOE 8-500 (not exceeding four per company).

PROCEDURE FOR REQUESTING AEROMEDICAL EVACUATION

All Army aeromedical evacuation requests should include the following in the following sequence, but need not be limited to only those elements shown. They are:

Location: If grid coordinates are used, they should contain six digits and be preceded by the 100,000-meter grid designator.

Radio frequency and call sign: The radio frequency and call sign should be that of the radio at the patient's location and not a relay frequency.

Patient category: Patient category of precedence is the movement (pickup) precedence as determined by the aidman or Army Medical Department (AMEDD) officer present for each patient in accordance with major command policy and regulation.

URGENT: Emergency cases which must be evacuated immediately to save life or limb. This precedence will be used when it is anticipated that the patient's condition is such that evacuation is required within 2 hours. Psychiatric cases are not considered in this category.

PRIORITY: Patients requiring prompt medical care not locally available. This precedence will be used when it is anticipated that the patient must be evacuated within 4 hours or his medical condition will deteriorate to the degree that he will become an urgent case. Psychiatric patients are not considered in this category.

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Special Equipment. For example, hoist or emergency medical supplies required such as whole blood, plasma, respirator, jungle penetrator, or rigid litter basket.

NOTE: The location, call sign and radio frequency, category of precedence, and special equipment should always be transmitted first. The information enables the Army air ambulance to begin the mission and precludes unnecessary delay, should the other information not be immediately available both in helicopter reaction time and in cases of communication breakdown.

Number and type of patients. For example, litter or ambulatory.

Type of injury, wound, or illness. For example, penetrating gunshot wound of abdomen, first-degree and second-degree burns over 30 percent of body, sucking chest wound left side, traumatic amputation of left leg.

Patient nationality. Self-explanatory; e.g., US military, civilian, third country national.

Security of pickup site. Significant information on enemy location and/or weaponry, if available, should be noted here.

Site-marking. Site-marking is the method of marking the site such as smoke, panels, flares, flashlight, or other means as directed by the pilot. The minimum site requirements for a single utility helicopter is generally an area of 100 feet in diameter and clear obstruction.

Weather at pickup site. Cloudy, windy, rainy, or sunny and clear, etc.

Terrain description. Self-explanatory; e.g., flat and open, slope, pinnacle.

Upon receipt of a mission request, the operations officer, clerk, or evacuation pilot coordinates the flight route and secures airspace clearance from the division base airfield or the flight operations center.

When air ambulance service is not available, the medical battalion commander or his representative requests the use of nonmedical aircraft from the division aviation officer.

PERSONNEL**MED AIR AMB CO (NONDIV) (TOE 8-137H)****CO HQ**

1	MAJ	CO	67J00
1	E-8	1SG	91B5M
1	E-7	Food Svc SGT	94B40
1	E-6	Sup SGT	76Y30
1	E-6	Cml Stf NCO	54E30
1	E-6	First Cook	94B30
1	E-5	Unit Clk	75B20
1	E-5	Cook	94B20
1	E-5	UH-1 CRC	67N2F
1	E-4	Armr	76Y10
2	E-4	Cook	94B10
1	E-4	Sr Voice Rdo Op	05E10
2	E-3	Voice Rdo Op	05E10
1	E-3	Gen Supmn	76Y10
1	E-3	Cook	94B10

FLT OP PLT HQ

1	CPT	Flt Op Off	67J00
1	LT	Asst Flt Op Off	03581
1	E-7	Plt SGT	71P40
1	E-4	Flt Op SP	71P10
2	E-3	Flt Op SP	71P10
1	E-4	Flt Rec Clk	71P10

ATC SEC

1	E-6	Sec Ch	93H30
1	E-5	ATC Tower Op	93H20
1	E-4	ATC Tower Op	93H10
1	E-3	ATC Tower Op	93H10

APCH CON SEC

1	E-6	Sec Ch	93J30
1	E-6	Sr Gnd Con Rdr Rpmn	26D30
1	E-5	Sr ATC GCA SP	93J20
1	E-4	ATC GCA SP	93J10
1	E-3	ATC GCA SP	93J10

AFLD SVC SEC

1	E-5	Acft Fuel Hdlr	76W20
1	E-5	Afld Svc Supv	67N20
1	E-4	Acft Fuel Hdlr	76W10
1	E-4	Afld Svcmn	76W10
1	E-3	Acft Fuel Hdlr	76W10

SVC PLT HQ

1	CPT	Plt Cdr	67J71
1	E-7	Plt SGT	67Z40
3	E-6	UH-1 Tech Insp	67N3F
1	E-4	Equip Maint Clk	76D10
1	E-4	Mat Supmn	76D10
1	E-4	PLL Clk	76D10
1	E-3	Sup Clk	76Y10

MTR MAINT SEC

1	E-6	Mtr SGT	63B30
2	E-4	GP Pwr Genr Op/Mech	52B10
1	E-4	WVEH Mech	63B10
1	E-4	Wkr Op	63B10
2	E-3	Pwr Genr Equip Helper	52B10
2	E-3	WVEH Mech	63B10

ORG ACFT MAINT SEC

1	WO	Sec Ch	100BR
1	E-7	Maint Supv	67Z40
2	E-5	Sr Avionics Mech	35K20
5	E-5	Sr UH-1 Rpmn	67N20
1	E-3	Mat Supmn	76D10
6	E-4	UH-1 Rpmn	67N10
2	E-3	UH-1 Maint Helper	67N10

DS ACFT MAINT SEC

1	WO	Sec Ch	103A0
1	E-7	Maint Supv	67Z40
1	E-5	Sr Acft Turb Eng Rpmn	68B20
1	E-5	Sr AFRM Rpmn	68C20
2	E-5	Sr UH-1 Rpmn	67N20
1	E-4	Acft Elec	68F10

PERSONNEL**DS ACFT MAINT SEC (Cont)**

1	E-4	Acft Hyd Rpmn	68H10
1	E-4	Acft PWTN Rpmn	68D10
1	E-4	Acft Rotor Rpmn	68G10
1	E-4	Acft Sgl Turb Eng Rpmn	68B10
1	E-4	AFRM Rpmn	68G10
3	E-4	UH-1 Rpmn	67N10
1	E-3	UH-1 Maint Helper	67N10
1	E-6	Hel Tech Insp	67W3F
2	E-4	Mat Supmn	76D10

AIR AMB PLT

4	CPT	Plt Ldr	67J00
8	LT	Sec Ldr	03581
30	WO	Evac Pilot	100BD
4	E-7	Plt SGT	91B4F
24	E-4	Air Amb Aidman	91B1F
24	E-5	UH-1 CRC	67N2F
4	E-3	Voice Rdo Op	05E10
1	WO	RW Flt Safety Tech	100BB
4	WO	RW IP	100BC
1	WO	RW Inst Exam	10086

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**MED AIR AMB CO (NONDIV) TOE 8-137H**

Genr: 0.3 kW, AC	1
Hel, util: UH-1H	25
Genr: 0.5 kW, AC	1
Revolver: cal .38	110
Genr: 1.5 kW, AC & DC	12
Rifle: 5.56mm	89
Genr: 3 kW, AC & DC	4
Genr: 5 kW, AC	1
Genr: 7.5 kW, DC	3
Rdo set: AN/VRC-47	5
Genr: 10 kW, AC	2
Rdo set: AN/PRC-90	50
Intg, cmpt: KIR-1A/TSEC	2

Rdo set con gp: AN/GRA-39	5
Rdo set: AN/FRC-93	1
Pistol, pyrotechnic	1
Transponder, cmpt: KIT-1A/TSEC	25
Equip, speech scty (abn): TSEC/KY-28	25
Equip, speech scty: TSEC/KY-38	10
Trk, util: ¼-ton, 4x4	5
Tlr, cgo: ¼-ton	5
Trk, cgo: ¾-ton, 4x4	7
Tlr, cgo: ¾-ton	3
Trk, cgo: 2½-ton, 6x6	8
Tlr, cgo: 1½-ton	7
Trk, wkr: 5-ton, 6x6	1
Tlr, tk: water, 400-gal, 1½-ton	1

HELICOPTER AMBULANCE-AIR CRASH RESCUE (TEAM RC) (TOE 8-500G)

COMPOSITION

The RC (rescue crew) team is composed of a team headquarters and an operational team consisting of the personnel and equipment listed here.

PERSONNEL

HEL AMB-AIR CRASH RSQ (TM RC) (TOE 8-500G)							
1	CPT	Unit Cdr	67J00	2	E-5	Air Amb Aidman	91B1F
1	LT	Sec Ldr	01981	2	E-5	UH-1 CRC	67N2F
3	WO	Evac Pilot	100BD	2	E-4	Crash Rsq SP	51M1F
1	E-7	Unit SGT	91B40	1	E-5	Sr UH-1 Rpmn	67N20
				1	E-4	UH-1 Rpmn	67N10
				2	E-4	Med Aidman	91B1F

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

HEL AMB-AIR CRASH RSQ (TM RC) (TOE 8-500G)							
					Revolver: cal .38, 5-inch bbl		12
					Rifle: 5.56mm		4
					Rdo set: PRC-90		4
					Trk, cgo: ¾-ton, 4x4		1

MISSION

The mission of team RC is to provide rescue service to occupants of crashed aircraft.

ASSIGNMENT

Team RC is assigned to the major medical commander having the responsibility for medical support of the area on the basis of one per 100 aircraft supported. When the team is assigned as a result of a high density or concentration of aircraft, the unit remains attached to—and under—the operational control of the medical commander. The airfield commander has the responsibility for dispatch of crash rescue units.

CAPABILITIES

Team RC provides immediate response for battlefield aeromedical evacuation and extrication of personnel and aeromedical evacuation of patients from crashed aircraft. In addition, medical aidmen provide emergency medical treatment at the air crash site and inflight treatment while en route to a medical treatment facility.

CONCEPT OF OPERATIONS

The helicopter ambulance air crash rescue detachment is located in the combat zone and communications zone as required. The unit is dependent upon supported units for appropriate facilities, airfield service, and aircraft maintenance support. A requirement for air crash rescue support may result from the cumulative operations of a number of smaller air activities within a specific area. This requirement may be met by the location of an air crash rescue unit at the most central activity where appropriate support is available. The unit will then respond to calls for assistance on an area basis.

In addition to the employment described above, the helicopter ambulance air crash rescue detachment normally provides area support within its capabilities and the range of its organic aircraft. As determined by the commander of the unit to which assigned or attached, air crash rescue flight units may be dispatched to the scene of any crash if required. The air crash rescue plan—developed in coordination with the commander of the medical unit providing area medical support—should designate areas of responsibility and identify navigation and control facilities. The plan is then disseminated to the commander of all aviation units operating within the areas. The air crash rescue unit is not responsible—nor does it have the capability—for primary search aircraft to distant areas in order to be promptly responsive once the downed aircraft is located.

HELICOPTER AMBULANCE MEDICAL DETACHMENT (TEAM RA) (TOE 8-500G)

COMPOSITION

The detachment is composed of a detachment headquarters section and an operational section and consists of the personnel and equipment listed here.

PERSONNEL

HEL AMB MED DET (TM RA) (TOE 8-500G)							
1	CPT	Det Cdr	01981	6	E-5	Air Amb Aidman	91B1F
1	CPT	Flt Op Off	01981	3	E-5	Sr UH-1 Rpmn	67N20
2	LT	Sec Ldr	67J00	6	E-5	UH-1 CRC	67N2F
6	WO	Evac Pilot	100BD	1	E-4	Acft Fuel Hdlr	76W10
1	WO	RW Flt Safety Tech	100BB	1	E-4	Avionics Mech	35K10
1	WO	RW IP	100BC	1	E-4	Det Clk	75B10
1	WO	RW Inst Exam	100B6	1	E-4	Equip Maint Clk	71D10
1	WO	Acft Rep Tech	100BR	1	E-4	Flt Op SP	71P10
1	E-7	Det SGT	91B4M	1	E-4	PLL Clk	76T10
1	E-6	Maint Supv	67N3F	2	E-4	Rdo Op	05E10
1	E-6	UH-1 Tech Insp	67N3F	4	E-4	UH-1 Rpmn	67N10
1	E-5	Sup SGT	67Y20	1	E-4	WVEH Mech	63B10
				1	E-3	Afld Svcmn	67N10
				1	E-3	Hel Mech Helper	67A10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

HEL AMB MED DET (TM RA) (TOE 8-500G)							
Genr: 0.5 kW		1		Rdo set: AN/VRC-24		1	
Hel, util: UH-1H		6		Rdo set: AN/VRC-46		1	
Genr: 1.5 kW, AC		1		Pistol pyrotechnic		6	
Revolver: cal .38, 4-inch bbl		27		Rdo set: AN/VRC-47		1	
Genr: 3 kW, DC		2		Rdo set: AN/PRC-90		12	
Rifle: 5.56mm		21		Trk, util: ¼-ton, 4x4		1	
Genr: 7.5 kW, DC		1		Tlr, cgo: ¼-ton		1	
				Trk, cgo: ¾-ton, 4x4		2	
				Trk, cgo: 2½-ton, 6x6		3	
				Tlr, cgo: 1½-ton		3	

MISSION

The mission of the helicopter ambulance detachment (team RA) is to provide aeromedical evacuation of selected patients; crash rescue; emergency movement of medical personnel, equipment, and supplies; and uninterrupted delivery of whole blood, biologicals, and medical supplies.

ASSIGNMENT

The helicopter ambulance medical detachment performs medical service functions where units of less than company size are required, or they may be employed to increase the capabilities of fixed strength units where increments of less than company size are needed. They may be attached or assigned, as required, to fixed strength units or may be organized into composite units to perform medical service functions under varying conditions.

CAPABILITIES

- The team RA provides an immediate response for battlefield aeromedical evacuation of patients from as far forward as the tactical situation permits.
- It performs inflight medical treatment and surveillance for patients en route to treatment facilities.
- The unit is also capable of aerial delivery of medical personnel and emergency delivery of medical supplies.

CONCEPT OF OPERATIONS

Combat Zone (CZ)

The helicopter ambulance medical detachment is located within the combat zone, but specific operational locations will depend upon the mission. The helicopter ambulance will be employed as far forward as the tactical situation permits. Evacuation of patients is to the division medical facilities or to a nondivisional medical facility as professionally indicated. Formally, in this type of operation, the commander of the division medical battalion will exercise operational control of the helicopter unit. Location of the unit with the division medical battalion is considered desirable. When the division is in reserve or otherwise withdrawn from combat, the team RA may be attached to an air ambulance company.

The team RA is ideally suited for operations with a separate task force and under these circumstances may function under the direction of the task force surgeon.

Communications Zone (COMMZ)

The helicopter ambulance detachment provides emergency evacuation of patients requiring urgent and special types of medical care and treatment. Evacuation within the COMMZ may be from patient sites to hospital, from one hospital to another, or between air or rail terminals and hospitals. The unit may be attached to medical groups or battalions.



CHAPTER 11

AIRCRAFT MAINTENANCE ACTIVITIES

Traditionally, the Army has employed a four-level maintenance concept to insure maximum availability of equipment with minimum specialized personnel at the maneuver unit level. These four levels of maintenance were:

Organizational level--user maintenance. Integrated direct support maintenance (IDSM) was a capability assigned to company-sized aviation units to increase organizational maintenance in terms of skills and equipment to enhance aircraft availability.

Direct support (DS) maintenance—those repairs that could be accomplished without requiring sophisticated tools and complicated test equipment.

General support (GS) maintenance—provided backup support to the direct support units to include repair of direct exchange items (DXI) and operation of a direct exchange (DX) service of reparable parts.

Depot maintenance—included inspection, test, classification, repair, overhaul, and rebuild. However, in view of the threat and the mobility required on modern battlefields, this centralized maintenance concept did not afford the effective maintenance required at user level to carry out sustained combat. In July 1975, the Department of the Army implemented the new aviation three-level maintenance concept. The three aircraft maintenance levels are officially known as aviation unit maintenance (AVUM), aviation intermediate maintenance (AVIM), and depot maintenance.

In relating this three-level, decentralized, maintenance concept to the four-level maintenance concept (fig 11-1), the following general maintenance philosophy applies.

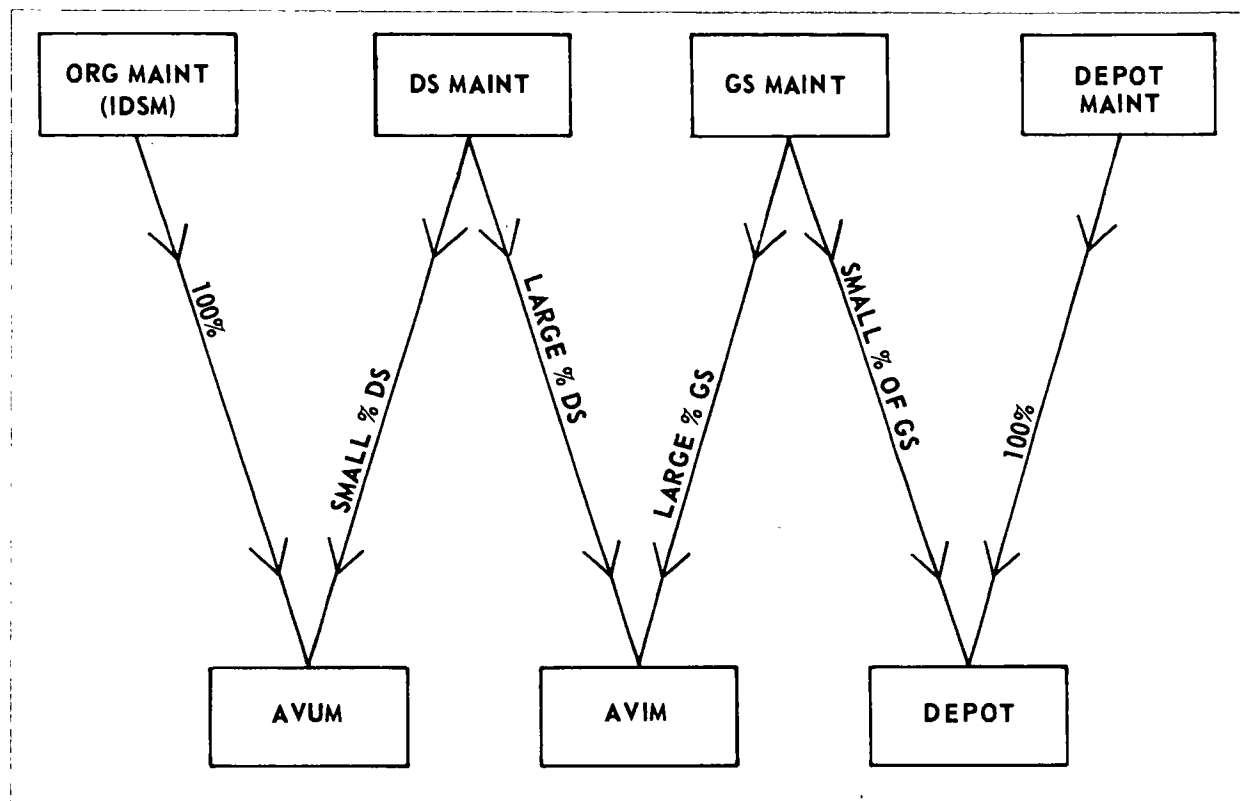


Figure 11-1. Relationship of the three-level maintenance concept.

MAINTENANCE PHILOSOPHY

The aviation unit maintenance (AVUM) level has the capability to perform all maintenance functions previously assigned to organizational maintenance units. When there are more than 10 organic aircraft (company-sized unit) assigned, the unit will have an integrated direct support maintenance (IDSM) capability.

The aviation intermediate maintenance (AVIM) level is comprised of maintenance functions previously assigned to DS and a large percentage of GS maintenance functions as assigned under the four-level maintenance concept, thereby establishing a single level of support between the AVUM and depot maintenance.

The depot maintenance level has remained essentially unchanged, but will have an increased workload from the spillover of the old GS level.

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At the AVUM level—10 or less aircraft—there are only minor changes to the table of organization and equipment (TOE). The personnel and equipment have remained the same as under the four-level concept. At the AVUM level—over 10 aircraft—all TOE with IDSM have retained that capability. The IDSM section or platoon has been integrated into the organizational maintenance function, and the overall maintenance capability has become the aviation unit maintenance (AVUM) platoon or section.

At the AVIM level (divisional) there has been only minor changes to the TOE. Personnel and equipment changed only if the supported units changed their AVUM capability. AVIM (nondivisional) has received major changes to support the new aviation maintenance concept. A new AVIM company, TOE 55-459H, has replaced the DS maintenance company, TOE 55-457H, and the GS maintenance company, TOE 55-458H. The AVIM company is discussed in this chapter.



**TRANSPORTATION AIRCRAFT MAINTENANCE
INTERMEDIATE SUPPORT COMPANY (AVIM) (NONDIVISIONAL)
(TOE 55-459H)**

COMPOSITION

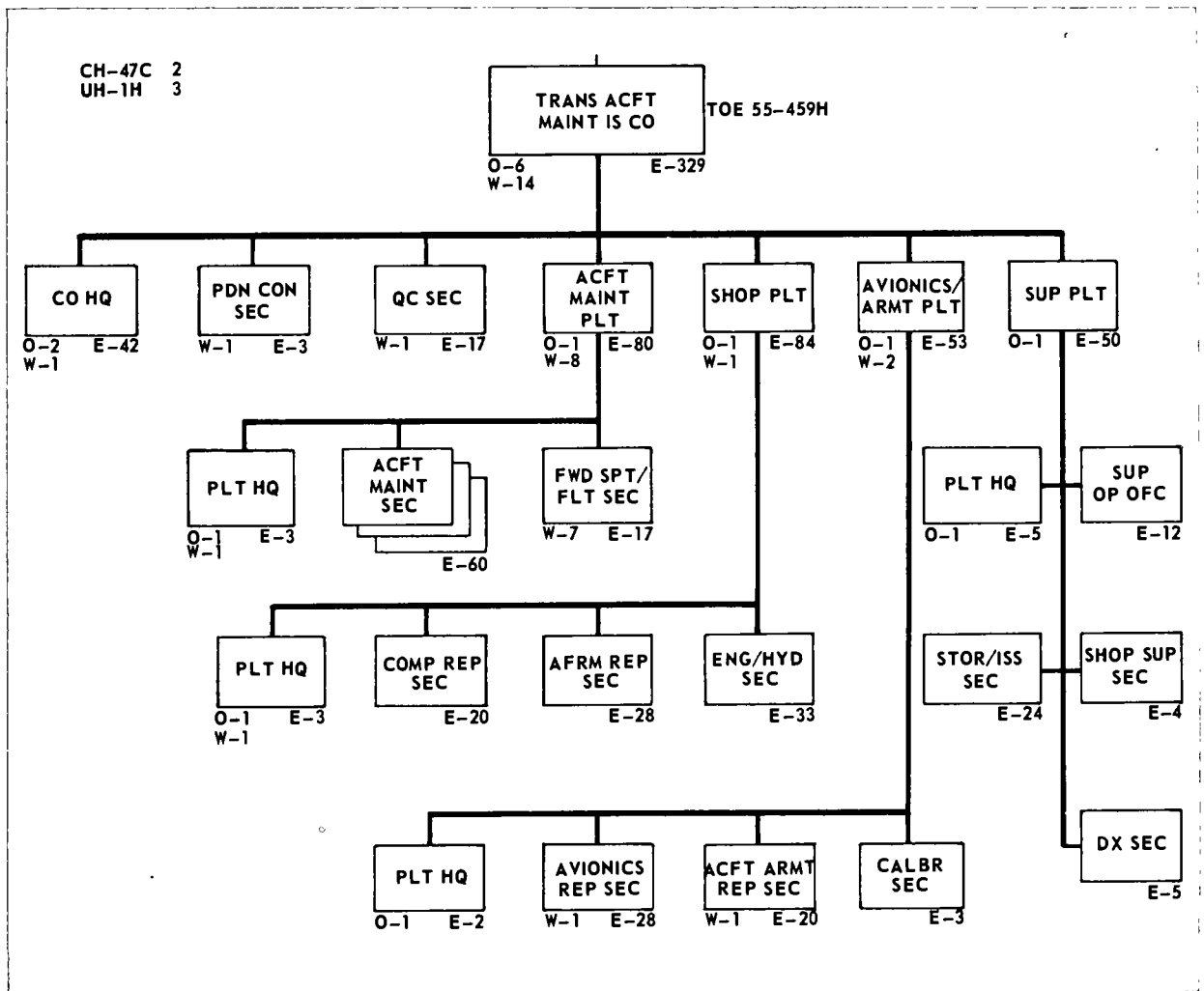


Figure 11-2. Transportation Aircraft Maintenance Intermediate Support Company (AVIM) (Nondivisional).

MISSION

The mission of the AVIM company is to provide intermediate level maintenance support (including aircraft armament, avionics, aircraft peculiar items of ground support equipment, and "C" level calibration service) and aircraft repair parts supply support (including avionics, aircraft armament, and aircraft peculiar items of ground support equipment) to nondivisional units on an area basis; and to provide backup intermediate support to division/brigade aircraft maintenance companies.

ASSIGNMENT

This company is assigned to corps and Theater Army Area Command (TAACOM) on the basis of four or five per corps depending on density of aircraft supported.

CAPABILITIES

Provides the following annual productive manhours of maintenance (approximate):

Turb Eng Rep	75,600	FC Rep	18,900
Rotor/Prop Rep	21,600	Mach	5,400
PWTN Rep	13,500	Acft Hyd Rep	8,100
Elec Rep	8,100	AH-1G Hel Rep	24,300
Inst Rep	5,400	OH-58 Hel Rep	16,200
Elct Devices Rep	2,700	UH-1 Hel Rep	64,800
AFRM Rep	62,100	CH-47 Hel Rep	40,500
Acft Armt Rep	29,700	Gnd Spt Equip Rep	13,500
Avionics Rep	72,900		

- Repairs equipment (aircraft, aircraft armament, avionics, aircraft peculiar items of ground support equipment, and certain electronic devices) for return to user, and will repair selected components and parts for return to supply stocks in support of the direct exchange (DX) program.

- Provides aircraft recovery/air evacuation, informal technical assistance, and training assistance through the use of mobile maintenance/supply contact teams.
- Provides "C" level calibration and repair support for test, measurement, and diagnostic equipment, devices, and standards.
- Performs weight and balance and other special inspections which exceed the maintenance capability of supported units.
- Receives, stores, and issues approximately 7,000 line items of supplies peculiar to aircraft, aircraft armament subsystems, avionics, and aircraft peculiar items of ground support equipment.
- Maintains and issues operational readiness float aircraft, subsystems, and assemblies according to procedures set by the appropriate materiel management center.
- Provides a DX service for selected items and a collection/classification point for aircraft peculiar materiel which includes a controlled cannibalization facility.
- Evacuates to the continental United States depots all unserviceable repairable components and end items which are beyond its capability to repair or which will exceed the time/close limits set for in-country repair.

MOBILITY

- This unit is approximately 70 percent mobile in its organic vehicles and aircraft.
- This unit is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

The AVIM companies are located throughout the corps service area where they can best support their supported aviation units and provide backup support for the division AVIM companies. Figure 11-3 depicts the flow of maintenance from the forward aviation company maintenance platoons to the corps AVIM companies on the repair parts supply flow back to the using units.

Maintenance requirements which exceed the AVUM platoon's capabilities will be accomplished by the AVIM companies supporting that unit. In the event that combat damages or other maintenance requirements within a division area overload the division's AVIM company, the spillover workload will be evacuated to the corps AVIM company designated to support that division. Maintenance requirements exceeding the corps AVIM company's capabilities are evacuated to depot maintenance facilities either in the theater service area or in the continental United States.

FM 1-15

While maintenance requirements flow to the rear, figure 11-3 also depicts the flow of repair parts supply and DX parts to the forward units. The system is designed to provide maximum maintenance at the most forward location possible.

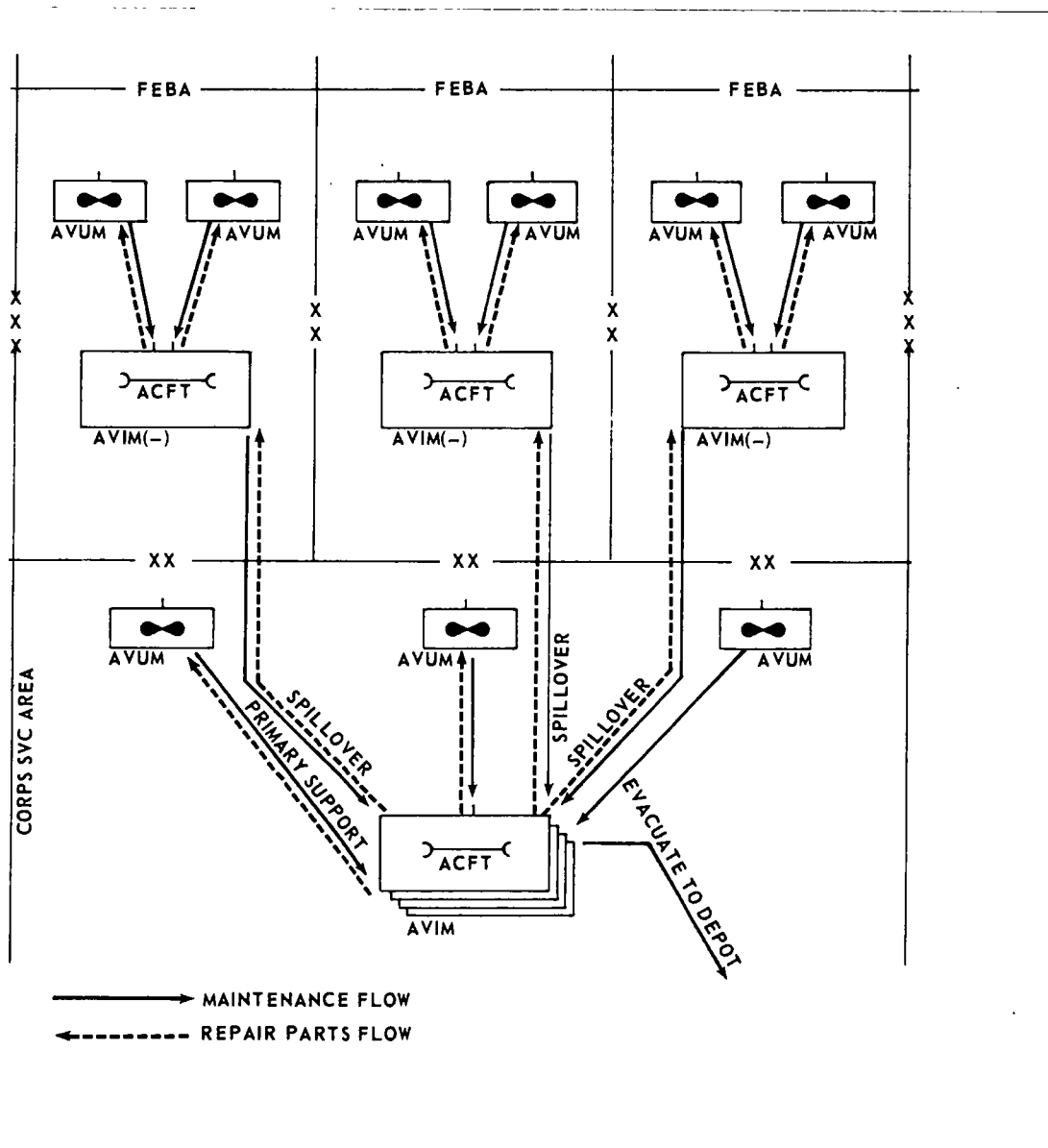


Figure 11-3. Maintenance Flow Chart.

The AVIM company normally is located far enough from the forward edge of the battle area (FEBA) to permit maximum operations within its assigned mission with minimum interruption by enemy actions. Through the use of mobile contact teams, the unit repairs the aircraft at the users' location whenever possible to provide maximum available assets to the combat forces.

PERSONNEL

TRANS ACFT MAINT INTMED SPT CO (NONDIV)
(TOE 55-459H)

CO HQ

1	MAJ	Co Cdr	71A00
1	CPT	XO	71A00
1	WO	Autmv Maint Tech	631A0
1	E-8	1SG	67Z5M
1	E-7	Food Svc SGT	94B40
1	E-7	Mtr SGT	63C40
1	E-6	First Cook	94B30
1	E-6	Sup SGT	76Y30
3	E-5	WVEH Mech	63B20
1	E-5	Cook	94B20
1	E-5	Unit Clk	75B20
1	E-4	Acft Fuel Hdlr	76W10
1	E-4	Armr	76Y10
3	E-4	Cook	94B10
3	E-4	GP Pwr Genr Op/Mech	52B10
2	E-4	Mpps Pwr Genr Op/ Mech	52B10
1	E-4	PLL Clk	76D10
1	E-4	Sr Fld Swbd Op	36K10
1	E-4	Gen Supmn	76Y10
4	E-4	WVEH Mech	63B10
2	E-4	Wkr Op	63B10
1	E-3	Eng Equip Mech	62B10
1	E-3	Fld Swbd Op	36K10
1	E-4	Veh Dvr	63C10
3	E-3	Pwr Genr Equip Helper	52B10
2	E-3	Cook	94B10
1	E-3	Gen Supmn	76Y10
3	E-3	WVEH Mech	63B10
1	E-5	Acft Fuel Hdlr	76W20

PDN CON SEC

1	WO	Pdn Con Tech	103AR
1	E-7	Pdn Con SGT	67Z40
1	E-4	Pdn Con Clk	76D10
1	E-4	Rept Clk	71B10

QC SEC

1	WO	QC Tech	100BR
1	E-7	Ch Hel Tech Insp	67W4F
1	E-6	Acft Armt Rep Insp	68J20
1	E-6	Acft FC Rep Insp	68J20
1	E-6	Acft Turb Eng Insp	68B3F
1	E-6	AFRM Insp	68G30
1	E-6	Avionics Nav Equip Insp	35M30
9	E-6	Hel Tech Insp	67W3F
1	E-4	QC Clk	76D10
1	E-4	Rept Clk	71B10

ACFT MAINT PLT HQ

1	CPT	Plt Ldr	71A00
1	WO	Avn Tech	103AR
1	E-7	Plt SGT	67Z50
1	E-4	Equip Maint Clk	76D10
1	E-3	Toolroom Keeper	67N10

ACFT MAINT SEC

3	E-7	Sec SGT	67Z40
3	E-6	Maint Supv	67N30
3	E-5	Sr AH-1 Rpmn	67Y20
6	E-5	Sr CH-47 Rpmn	67U20
3	E-5	Sr OH-58 Rpmn	67V20
9	E-5	Sr UH-1 Rpmn	67N20
6	E-4	AH-1 Rpmn	67Y10
6	E-4	CH-47 Rpmn	67U10
3	E-4	OH-58 Rpmn	67V10
12	E-4	UH-1 Rpmn	67N10
3	E-3	CH-47 Maint Helper	67U10
3	E-3	UH-1 Maint Helper	67N10

FWD SPT/FLT SEC

3	WO	Acft Rep Tech	100BR
1	WO	Flt Safety Tech	100CB
1	WO	Hel IP	100CC
2	WO	Pilot, CH-47	100CR
1	E-7	Sec SGT	67Z50

PERSONNEL**FWD SPT/FLT SEC (Cont)**

1	E-6	Maint Supv	67N3F
1	E-6	Maint Supv	67U3F
2	E-6	CH-47 CRC	67U3F
2	E-5	Sr CH-47 Rpmn	67U20
1	E-5	Sr UH-1 Rpmn	67N20
3	E-5	UH-1 CRC	67N2F
1	E-4	Avionics Mech	35K10
2	E-4	CH-47 Rpmn	67U10
1	E-4	Mat Supmn	76D10
1	E-4	UH-1 Rpmn	67N10
1	E-3	CH-47 Maint Helper	67U10

SHOP PLT HQ

1	LT	Plt Ldr	71A00
1	WO	Avn Tech	103AR
1	E-7	Plt SGT	67Z40
1	E-4	Equip Maint Clk	76D10
1	E-3	Toolroom Keeper	68G10

COMP REP SEC

1	E-7	Sec SGT	67Z40
2	E-5	Acft Inst Rpmn	68F20
2	E-5	Sr Acft Elec	68F20
2	E-5	Sr Acft PWTN Rpmn	68D20
3	E-5	Sr Acft Rotor Rpmn	68G20
2	E-4	Acft Elec	68F10
2	E-4	Acft Rotor Rpmn	68G10
4	E-4	Acft Rotor Rpmn	68G10
1	E-3	Acft PWTN Rep Helper	68D10
1	E-3	Acft Rotor Rep Helper	68G10

AFRM REP SEC

1	E-7	AFRM Rep Supv	68G40
2	E-5	AFRM Welder	68G20
1	E-5	Mach	44E20
9	E-5	Sr AFRM Rpmn	68G20
10	E-4	AFRM Rpmn	68G10
1	E-4	Mach	44E10
4	E-3	AFRM Rep Helper	68G10

ENG/HYD SEC

1	E-7	Acft Turb Eng Rep Supv	68B40
2	E-5	Sr Acft Hyd Rpmn	68H20
4	E-5	Sr Acft Turb Eng Rpmn	68B20
8	E-5	Sr Acft Turb Eng Rpmn	68B20
2	E-4	Acft Hyd Rpmn	68H10
4	E-4	Acft Turb Eng Rpmn	68B10
8	E-4	Acft Turb Eng Rpmn	68B10
4	E-3	Acft Turb Eng Helper	68B10

AVIONICS/ARMT PLT HQ

1	LT	Plt Ldr	72A00
1	E-7	Plt SGT	68J40
1	E-4	Equip Maint Clk	76D10

AVIONICS REP SEC

1	WO	Avionics Maint Tech	286A0
1	E-7	Avionics Equip Maint Supv	35P40
1	E-6	Sr GCA Rdr Rpmn	26D30
11	E-5	Avionics Comm Equip Rpmn	35L20
4	E-5	Avionics Flt Con Rpmn	35N20
6	E-5	Avionics Nav Equip Rpmn	35M20
4	E-5	Avionics Rdr Equip Rpmn	35R20
1	E-5	Avionics Comm Equip Rpmn	35L20

ACFT ARMT REP SEC

1	WO	Avn Tech	103AR
1	E-6	Acft Armt Rep Supv	68J30
1	E-6	Acft FC Rep Supv	35J30
3	E-5	Sr Acft Armt Rpmn	68J20
3	E-5	Sr Acft FC Rpmn	35J20
6	E-4	Acft Armt Rpmn	68J10
4	E-4	Acft FC Rpmn	35J10
2	E-3	Asst Acft Armt Rpmn	68J10

PERSONNEL**CALBR SEC**

1	E-6	Sr Calbr SP	35H30
2	E-5	Elec Devices SP	35B20

SUP PLTHQ

1	CPT	Plt Ldr	92C00
1	E-7	Plt SGT	76D40
1	E-4	Sup Con/Acct Clk	76P10
1	E-4	Card Punch Op	74B10
1	E-4	Rept Clerk	71B10
1	E-3	Sup Con/Acct Clk	76P10

SUP OP OFC

1	E-7	Stk Con Supv	76P40
2	E-5	Stk Con/Acct Clk	76P20
5	E-4	Stk Con/Acct Clk	76P10
1	E-4	Sup Rept Clk	71B10
3	E-3	Stk Con/Acct Clk	76P10

STOR/ISS SEC

1	E-6	Mat Sup Supv	76D30
1	E-5	Mat Stor Supv	76V20
5	E-5	Mat Supmn	76D20
2	E-4	Flt Op	62M10
1	E-4	Mat Stor SP	76V10
7	E-4	Mat Supmn	76D10
1	E-4	PEC SP	76V10
6	E-3	Mat Supmn	76D10

SHOP SUP SEC

1	E-5	Mat Supmn	76D20
2	E-4	Mat Supmn	76D10
1	E-3	Mat Supmn	76D10

DX SEC

1	E-5	Mat Supmn	76D20
1	E-5	Salv Insp	76D20
1	E-4	Flt Op	62M10
1	E-4	Mat Supmn	76D10
1	E-3	Mat Supmn	76D10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

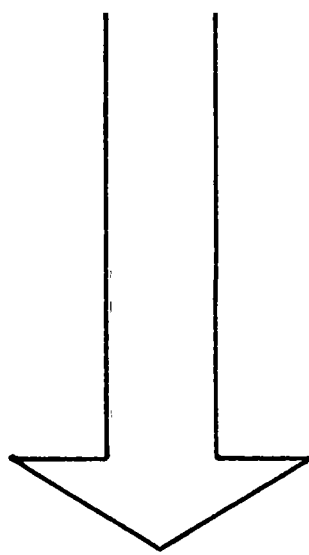
TRANS ACFT MAINT INTMED SPT CO (NONDIV)	
(TOE 55-459H)	

Genr, elec key: full-dup, tac: TSEC/KG30-3	1
Hel, cgo: CH-47C	2
Genr: 60 kW	8
Hel, util: UH-1H	3
Genr: 30 kW	1
Genr: 7.5 kW, DC	3
Genr: 15 kW, AC	1
Mg, 7.62mm: lt flex w/mts	4
Genr: 5 kW, AC	4
Lchr, gren: 40mm, rifle	4

Genr: 3 kW, DC	3
Rifle: 5.56mm	321
Genr: 1.5 kW, AC	2
Revolver: cal .38	28
Intg, cmpt: KIR-1A/TSEC	2
Rdo set: AN/VRC-46	1
Mg, 7.62mm: acft lt, door-mtd	10
Rdo set: AN/PRC-90	10
Pwr sup: PP-1104/G 2953/U, 3939/G, 3940/G, VEH Z-ACD hyd-elec ptbl	8
Rdo set con gp: AN/GRA-39	1
Xfmr vari-pwr: CN-16/U	1
Equip, speech scty (abn): TSEC/ KY-28	1

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

Transponder, cmpt: KIT-1A/ TSEC	6	Trk, tk: fuel svc, 2½-ton, 6x6	1
Equip, speech scty: TSEC/KY-38	1	Trk, trac: 5-ton, 6x6	10
Trk, util: ¼-ton, 4x4	3	Trk, trac wkr: 5-ton, 6x6	2
Trk, cgo: ¼-ton	3	Trk, van: expans, 5-ton, 6x6	2
Trk, cgo: ¾-ton, 4x4	5	Trk, FLFT: 10,000-lb cap	1
Tlr, cgo: ¾-ton	1	Trk, FLFT: 4,000-lb cap	2
Trk, cgo: 2½-ton	8	Stlr, low-bed: wkr, 12-ton	1
Tlr, cgo: 1½-ton	6	Stlr, stake: 12-ton	3
Tlr, tk: water, 400-gal, 1½-ton	1	Stlr van: 12-ton	11
Trk, plat util: ½-ton, 4x4	1	Trac, whl: acft tow, 100,000-lb	1
		Tlr, acft maint (ambl)	6



PART FOUR

APPENDICES

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APPENDIX A

REFERENCES

This manual has been prepared using those tables of organization and equipment (TOEs) listed in appendix H. In addition to those TOEs, the following references are applicable to this manual.

1. Army Regulations (ARs)

AR 95-series	(Aviation)
AR 310-25	Army Dictionary
AR 310-50	Index of Authorized Abbreviations

2. Department of the Army Pamphlets (DA Pams)

DA Pam 310-series	Index of Army Publications
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3. Field Manuals (FMs)

FM 1-1	Terrain Flying
FM 1-60	Army Air Traffic Management in the Combat Zone
FM 17-47	Air Cavalry Combat Brigade
FM 17-50	Attack Helicopter Operations
FM 17-95	Cavalry
FM 90-1	Employment of Army Aviation Units in a High Threat Environment
FM 90-4	Air Assault Operations
FM 100-60	The Division

4. Training Circulars (TCs)

TC 1-4	Helicopter Gunnery
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APPENDIX B

AIR CAVALRY TROOP

The combined arms commander utilizes his aviation assets to accomplish specific missions, thereby increasing the effectiveness of his force. This appendix is provided as a ready reference for general planning information for use by the air cavalry troop.

MISSION

The air cavalry mission is to perform reconnaissance, security, and surveillance to provide real-time intelligence concerning the enemy, terrain, and weather throughout the battle area; and to alert or provide protection against enemy observation or attack.

ASSIGNMENT

Air cavalry troops are assigned to the armored cavalry squadrons of the armored and mechanized infantry divisions and to the armored cavalry regiment. Air cavalry squadrons are assigned to the airborne, airmobile, and infantry divisions and the cavalry brigade (air combat). Separate squadrons may also be assigned to corps or an aviation group.

ORGANIZATION

As with most aviation organizations, air cavalry troops and squadrons vary in composition based on unit of assignment and mission requirements. The type cavalry squadrons are illustrated in each chapter of this manual according to the squadron's unit of assignment; while a type air cavalry troop is at figure B-2. The differences of these troops will be discussed in the cavalry section of each chapter.

CAPABILITIES

- Performs reconnaissance, security, and economy of force missions for the unit to which assigned.
- Engages in offensive, defensive, or delaying action as part of a larger force.
- Acts as a security or screening force between—or for—larger units, or for airmobile operations.
- Acts as part of the general outpost or part of a covering force in offensive and defensive operations.
- Assists in exploiting the success of other units and the effects of mass destruction weapons.
- Provides limited antitank defense for the unit to which assigned or attached.
- Participates in rear area damage control and security operations.
- Engages in effective, coordinated defense of the unit's area.

EMPLOYMENT

Employment of the air cavalry troop is based upon effective use of its unique characteristics and capabilities. Using the flexibility, mobility, and firepower provided by helicopters, air cavalry can greatly expand and accelerate conventional cavalry functions. All air cavalry missions must be considered in the economy of force category, using minimum resources to find and fix the enemy and to develop a situation so that major combat forces can be effectively employed at the proper place and time. Thus, air cavalry may operate independently, but it is most effective when employed in conjunction with ground forces, particularly a cavalry ground force whose organization and training are totally consistent and compatible with air cavalry concepts and primary mission requirements. Air cavalry pays the highest dividends when tactical operations are fast-moving or changing and the terrain is difficult for the movement of ground forces. Air cavalry can move at speeds commensurate with—or greater than—ground force main bodies on high speed approaches and still provide early warning or protection.

PRINCIPLES OF EMPLOYMENT

Employment of the air cavalry troop is based on these principles:

Surprise

The success of the air cavalry troop's operations will depend mainly upon the degree of surprise attained. Surprise is achieved by using speed, maneuverability, and the troop's ability to cross terrain obstacles and strike the enemy at an unexpected time and location from a variety of firing positions.

Fire and Movement

Air cavalry uses the techniques of fire and movement to accomplish its mission. The troop's organic weapons, as well as the normal supporting weapons of artillery and other friendly ground combat forces, are consistently used to protect the troop's rapid and highly maneuverable combat elements. The speed and maneuverability of the air cavalry enable it to move into unexpected and advantageous positions from which it can be employed to disrupt, disorganize, and destroy the enemy. The psychological effect of the concentrated fire of rapidly advancing armed aircraft should be recognized and exploited.

Teamwork

The air cavalry is organized and equipped to operate habitually as a unit or in teams composed of aeroscout, aeroweapons, and aerorifle aircraft. The capabilities and characteristics of these elements are designed to complement each other. The flexibility in the organization of the troop permits rapid organization into platoon-sized teams specifically tailored to complete the mission. Air cavalry troop assets are delicately balanced and the unit should not be piecemealed or fragmented. Close coordination and integration of the troop's assets into the ground commander's scheme of maneuver will fully exploit the capabilities of the ground and air combat forces.

Economy of Force

Elements of the air cavalry should be employed to insure maximum flying capability when it is most required. To insure continuous availability of these assets, mission requirements should dictate the size of the air cavalry element committed to each mission. Assets not committed to missions must be maintained in the highest state of operational readiness at all times.

FACTORS AFFECTING EMPLOYMENT

As with any combat unit, employment of the air cavalry troop is based upon the factors of METT (mission, enemy situation, terrain and weather, and troops available). The degree to which these factors affect employment of the air cavalry is as follows:

Mission

The primary consideration in the employment of the troop is the assigned mission. This factor affects the organization, combat tailoring, and the scheme of maneuver.

Enemy Situation

The makeup of the enemy forces—especially his air defense capabilities—has a major impact upon the methods of the air cavalry employment. To be fully effective, the air cavalry troop must have all information available concerning the enemy's equipment, intentions, and limitations, so it can tailor its teams, weapons, and flight tactics.

FM 1-15

Terrain and Weather

Terrain has less effect on air cavalry units than on the ground forces. The airmovement capability of the air cavalry negates the effect of terrain obstacles that impede the movement of the ground elements of the squadron. The primary terrain consideration for air cavalry units is evaluation and use of airmovement routes for terrain flying techniques and the availability of landing areas and firing positions. Adverse weather which reduces visibility also reduces the effectiveness of the air cavalry troop; however, low ceilings which reduce the enemy tactical air threat favor the air cavalry employment.

Troops Available

Although the air cavalry troop can control terrain for limited periods with its organic firepower, it should not routinely be given a mission which requires it to secure terrain. To insure sustained operations, consideration must be given to previous and contemplated employment of the troop, status of personnel and equipment, and the adequacy of logistics to support the mission.

In summary, the flexibility of the air cavalry troop enhances the formation of small tailored teams to be employed according to the dictates of the mission. Elements of the troop may perform independent missions or these same elements may be cross-attached within the troop to provide several balanced air teams. The air cavalry troop may be reinforced by attachment of elements from other sources or it may be provided reinforcement or support for ground units. The flexibility of the air cavalry troop permits variations in force organization to meet changing situations.

A complete discussion of the air cavalry employment is contained in FM 17-47, FM 17-95, and FM 90-1.

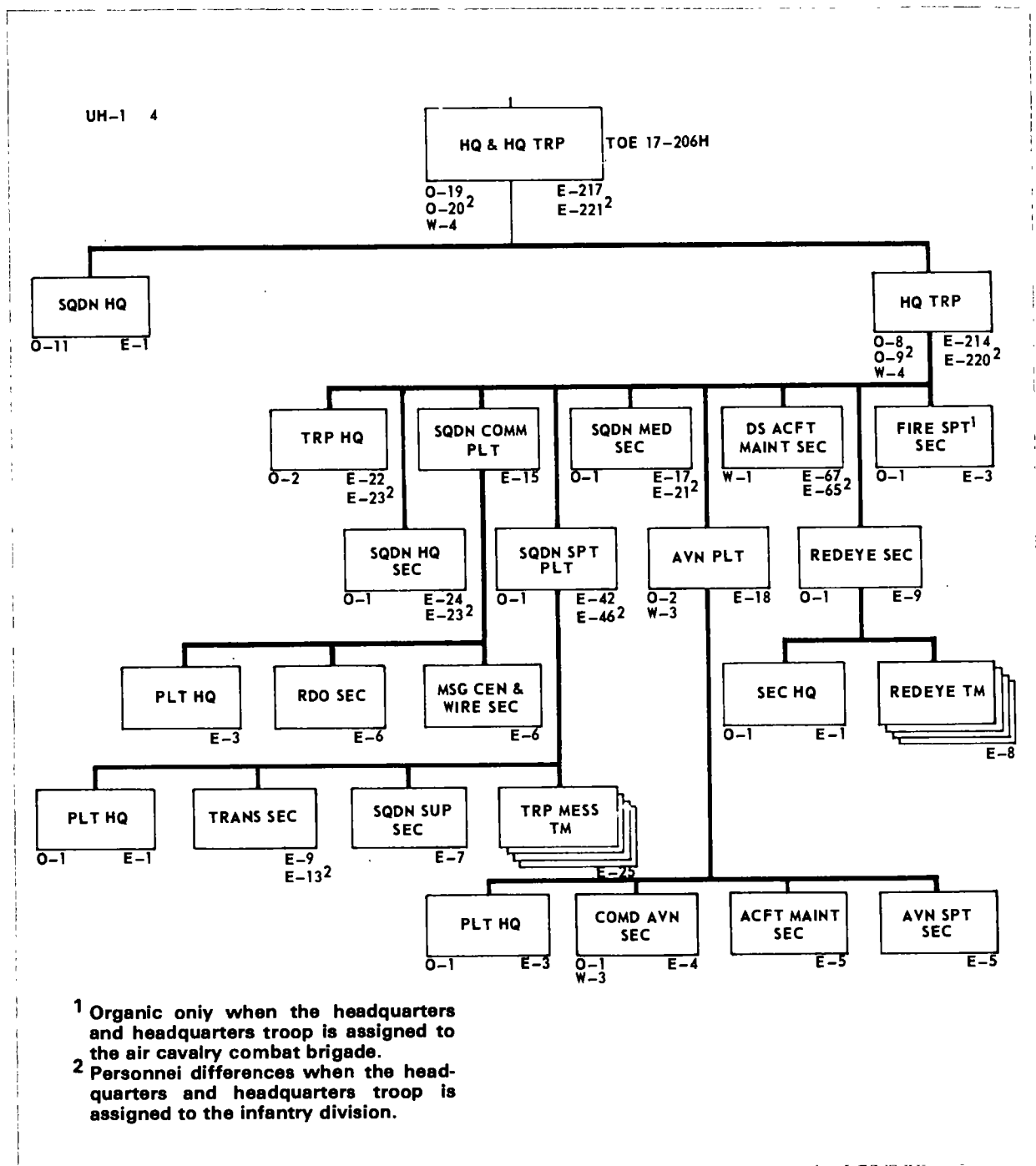


Figure B-1. Headquarters and Headquarters Troop, Air Cavalry Squadron, Air Cavalry Combat Brigade (ACCB), and Infantry Division.

PERSONNEL

HHT, AIR CAV SQDN, AIR CAV CBT BDE/INF DIV
(TOE 17-206H)

SQDN HQ

1	LTC	Sqdn Cdr	15A12
1	MAJ	Sqdn XO	15A12
1	MAJ	S3	15A12
1	CPT	S1	41A00
1	CPT	S2	15A35
1	CPT	S4	15A92
1	CPT	AMO	61N00
1	CPT	Avn Safety Off	15A12
1	CPT	CH	56A00
1	CPT	C-E Stf Off	25A00
1	CPT	Maint Off	71A00
1	E-9	CSM	00Z50

TRP HQ

1	CPT	Trp Cdr	15A12
1	LT	XO	15A12
1	E-8	1SG	11E5M
1	E-7	Mtr SGT	63C40
1	E-6	Sup SGT	76Y30
2	E-5	Sr WVEH Mech	63B20
1	E-5	Unit Clk	75B20
1	E-4	Armr	76Y10
3	E-4	GP Pwr Genr Op/ Mech	52B10
1	E-4	PLL Clk	76D10
3(4)	E-4	WVEH Mech	63B10
1	E-4	Wkr Op	63B10
1	E-3	Lt Veh Dvr	11D10
2	E-3	Pwr Genr Equip Helper	52B10
1	E-3	Gen Supmn	76Y10
3	E-3	Asst WVEH Mech	63B10

SQDN HQ SEC

1	CPT	Asst S3	15A12
1	E-8	Intel SGT	11E50
1	E-8	Op SGT	11E50
1	E-7	Army CARCSLR	00E40
1	E-7	Asst Op SGT	11D40

SQDN HQ SEC (Cont)

1	E-7	Flt Op Ch	71P40
1	E-7	PSNCO	75Z40
1	E-6	Legal Clk	71D30
*1	E-6	Cml Stf NCO	54E30
1	E-5	Rdo Tm Ch	05B20
1	E-4	CH Asst	71M10
2	E-4	Clk-Typist	71B10
1	E-4	Flt Op SP	71P10
1	E-4	Gen Dftmn	81A10
2	E-4	Sr Rdo Op	05B10
1	E-4	Sr Voice Rdo Op	05E10
2	E-3	Flt Op SP	71P10
2	E-3	Lt Veh Dvr	11D10
3	E-3	Voice Rdo Op	05E10

SQDN COMM PLT HQ

1	E-7	Comm Ch	31G40
1	E-4	Fld Comm Equip Mech	31B10
1	E-3	Voice Rdo Op	05E10

RDO SEC

1	E-5	Sec Ch	05C20
1	E-5	RATT Tm Ch	05C20
4	E-4	RATT Op	05F10

MSG CEN-WIRE SEC

1	E-6	Sec SGT	31G30
1	E-4	Sr Fld Swbd Op	36K10
1	E-3	Fld Swbd Op	36K10
2	E-3	Tac Wire Op SP	36K10
1	E-4	Sr Msg Clk	36K10

SQDN SPT PLT HQ

1	LT	Plt Ldr	92B00
1	E-3	Lt Veh Dvr	11D10

TRANS SEC

1	E-6	Sec SGT	11E30
1	E-5	Hv Veh Dvr	64C20
1	E-4	Ammo SP	11E10
**3	E-4	Hv Veh Dvr	64C10
*2	E-4	Hv Veh Dvr	64C10
1	E-4	Veh Dvr	64C10

PERSONNEL**TRANS SEC (Cont)**

**2	E-3	Veh Dvr	64C10
*3	E-3	Veh Dvr	64C10
**4	E-3	Ammo Hdlr	11E10

SUP SEC

1	E-7	Sup SGT	76Y40
2	E-5	Gen Supmn	76Y30
2	E-4	Gen Supmn	76Y10
2	E-3	Gen Supmn	76Y10

TRP MESS TM

4	E-7	Food Svc SGT	94B40
4	E-6	First Cook	94B30
4	E-5	First Cook	94B20
8	E-4	Cook	94B10
5	E-3	Cook	94B10

SQDN MED SEC

1	LT	Med Op Asst	67B00
1	E-6	Sec SGT	91B30
1	E-6	Clin SP	91C30
1	E-5	Med Aidman	91B20
*6	E-5	Trp Aidman	91B20
**8	E-5	Trp Aidman	91B20
**4	E-4	Trp Aidman	91B10
*3	E-4	Trp Aidman	91B10
**2	E-3	Amb Dvr	91B10
*1	E-3	Amb Dvr	91B10
2	E-4	Med Aidman	91B10
1	E-4	Clin SP	91C10
1	E-3	Med Aidman	91B10

AVN PLT HQ

1	CPT	Plt Cdr	15A12
1	E-7	Plt SGT	67Z40
1	E-6	UH-1 Tech Insp	67N3F
1	E-3	Lt Veh Dvr	67N10

COMD AVN SEC

1	LT	Sec Ldr	15A12
1	WO	RW IP	100BC
1	WO	RW Flt Safety Tech	100BB
1	WO	RW Inst Exam	100B6
4	E-5	UH-1 CRC	67N2F

ACFT MAINT SEC

1	E-6	Sec Ch	67N30
1	E-5	Sr UH-1 Rpmn	67N20
1	E-4	Avionics Mech	35K10
1	E-4	Mat Supmn	76D10
1	E-4	UH-1 Rpmn	67N10

AVN SPT SEC

1	E-5	Sec Ch	67N20
1	E-5	Acft Fuel Hdlg SP	76W20
1	E-4	Acft Fuel Hdlg SP	76W10
2	E-3	Acft Svcmn	76Y10

DS ACFT MAINT SEC

1	WO	Acft Rep Tech	100BR
1	E-7	Ch Hel Tech Insp	67W4F
1	E-7	Maint Supv	67Z40
1	E-7	Plt SGT	67Z40
1	E-6	AFRM Rep Supv	68G30
3	E-6	Hel Tech Insp	67W3F
1	E-5	Mat Supmn	76D20
*1	E-5	Sr Acft FC Rpmn	35J20
2	E-5	Sr Acft Rotor Rpmn	68G20
2	E-5	Sr Acft Sgl Turb Eng Rpmn	68B20
4	E-5	Sr AH-1G Rpmn	67Y20
4	E-5	Sr AFRM Rpmn	68G20
4	E-5	Sr OH-6/OH-58 Rpmn	67V20
4	E-5	Sr UH-1 Rpmn	67N20
1	E-4	Acft Elec	68F10
*1	E-4	Acft FC Rpmn	35J10
1	E-4	Acft Hyd Rpmn	68H10
1	E-4	Acft PWTN Rpmn	68D10
2	E-4	Acft Rotor Rpmn	68G10
3	E-4	Acft Sgl Turb Eng Rpmn	68B10
4	E-4	AH-1G Rpmn	67Y10
4	E-4	AFRM Rpmn	68G10
2	E-4	Mat Supmn	76D10
4	E-4	OH-6/OH-58 Rpmn	67V10
5	E-4	UH-1 Rpmn	67N10
1	E-3	Acft Sgl Turb Eng Rep Helper	68B10
1	E-3	AH-1G Maint Helper	67Y10

PERSONNEL**DS ACFT MAINT SEC (Cont)**

2	E-3	AFRM Rep Helper	68G10
1	E-3	Gen Clk	71B10
2	E-3	OH-6/OH-58 Maint Helper	67V1T
2	E-3	UH-1 Maint Helper	67N10
1	E-3	Mat Supmn	76D10

REDEYE SEC HQ

1	LT	REDEYE Sec Ldr	14B00
1	E-6	Sec SGT	11P30

REDEYE TM

4(5)	E-5	Tm Ch	16P20
4(5)	E-4	REDEYE Gnr	16P10

*****FIRE SPT SEC**

1	CPT	Fire Spt Off	13A00
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*****FIRE SPT SEC (Cont)**

1	E-6	Fire Spt SGT	13E30
1	E-4	Fire Spt SP	13E10
1	E-3	Voice Rdo Op	05E10

*Not organic to the inf div.

**Not organic to the ACCB.

***This section is assigned to HHT, air cav sqdn, cav bde (air cbt) only. Other air cav sqdns use their fire support element (FSE) at div or bde level.

****Increase by one when the HHT is organic to the infantry division.

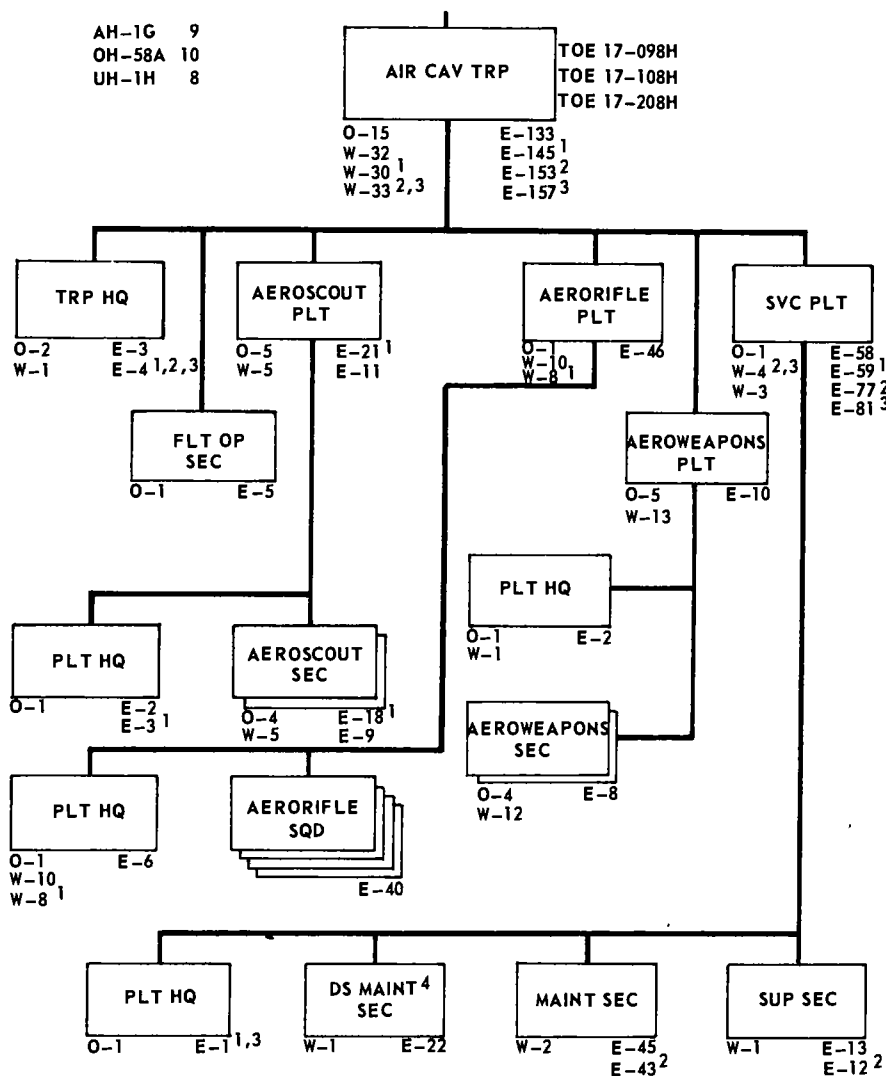
EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**HHT, AIR CAV SQDN, AIR CAV CBT BDE/INF DIV
(TOE 17-206H)**

Hel, UH-1H	4
Pistol: cal .45	13(17)
Revolver: cal .38	26
Rifle: 5.56mm	201(207)
Mg, cal .50: flex, gnd; use w/mts	7(8)
Mg, 7.62mm: acft, lt; door-mtd	8
Mg, 7.62mm: lt flex w/mts	2
Trk, util: ¼-ton, 4x4	17(18)
Trk, amb: ¼-ton, 6x6	1(2)
Tlr, cgo: ¼-ton, 2-whl	13(14)
Trk, cgo: ¾-ton, 4x4	6(5)
Tlr, cgo: ¾-ton, 2-whl	4(3)
Trk, cgo: 1 ¼-ton, 6x6	3
Trk, cgo: 2 ½-ton, 6x6	13(14)
Tlr, cgo: 1 ½-ton, 2-whl	12(14)
Tlr, tk: 40-gal, 1 ½-ton	5(4)
Trk, cgo: 5-ton, 8x8	3(5)

Trk, cgo: 8-ton, 4x4	3(4)
FLFT: 6,000-lb, RT	2
Trk, wkr: 5-ton	1
Trk, wkr: 10-ton	1
Rdo set: AN/GRC-106	2
Rdo set: AN/GRC-160	4(5)
Rdo set: AN/PRC-90	8
Rdo set: AN/VRC-24	1
Rdo set: AN/VRC-46	7
Rdo set: AN/VRC-47	7(6)
Rdo set: AN/VRC-49	1
Rdo set: AN/VRC-64	2
Rdo set con gp: AN/GRA-39	4(3)
Equip, speech scy: TSEC/KY-28	4(10)
Equip, speech scy: TSEC/KY-38	7
Rdo set, beacon: TRN-30	1
Comd console: ASC-15	0(2)
Equip, tt scy: TSEC/KW-7	2
Equip, rfl: fwd area, FARE sys	1
Genr: 0.5 kW, AC	1

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

Genr: 1.5 kW, AC	7(6)	RATT set: GRC-142	2
Genr: 3 kW, DC	3	Rcvr-trans con gp: GRA-6	2
Genr: 5 kW, AC	3	Tac dgtrl regen repeater, ptbl:	
Genr: 7.5 kW, DC	1	HYL-3/TSEC	1
Intg, cmpt: KIR-1A/TSEC	1	Transponder, cmpt: KIT-	
Lchr, gren: 40mm, rifle	4	1A/TSEC	4
Goggles, night vision: PVS-5	7		
Pwr sup: PP-4763/GRC & VEH		NOTE: Inf div equipment differences are	
Z-ACD	9	shown in parenthesis.	



¹ Personnel differences when the air cavalry troop is under the air cavalry combat brigade.

² Personnel differences when the air cavalry troop is under the airmobile (air assault) division.

³ Personnel differences when the air cavalry troop is under the armored/infantry (mechanized) division.

⁴ Organic only when the air cavalry troop is under the armored, infantry (mechanized) or airmobile (air assault) division.

Figure B-2. Air Cavalry Troop, Air Cavalry Squadron, Airmobile (Air Assault) Division (TOE 17-098H), Air Cavalry Troop, Armored Cavalry Squadron, Armored/Infantry (Mech) Division (TOE 17-108H) and Air Cavalry Troop, Air Cavalry Squadron, Infantry Division and Air Cavalry Combat Brigade (TOE 17-208H).

PERSONNEL

AIR CAV TRP, AIR CAV SQDN, AMBL (AIR ASLT) DIV
(TOE 17-098H), AIR CAV TRP, ARMD CAV SQDN,
ARMD/INF DIV (MECH)(TOE 17-108H),
AND INF DIV/ACCB (TOE 17-208H)

TRP HQ

1	MAJ	Trp Cdr	15A12
1	CPT	Trp XO	15A12
1	WO	RW Flt Safety Tech	100BB
1	E-8	1SG	11E5M
1	E-5	UH-1 CRC	67N2F
1	E-5	Unit Clk	75B20
1	E-4	Armr	76Y10

FLT OP SEC

1	CPT	Flt Op Off	15A12
1	E-7	Op SGT	11D40(F)
1	E-6	Comm Ch	31G30
1	E-4	Flt Op SP	71P10
1	E-4	Sr Voice Rdo Op	05E10
1	E-3	Voice Rdo Op	05E10

AEROSCOUPT PLT HQ

1	CPT	Plt Cdr	15A12
1	E-7	Plt SGT	11D4F
2	E-5	Aeroscout Obsvr	11D2F
1	E-5	OH-6/OH-58 CRC	67V2F

AEROSCOUPT SEC

2	LT	Sec Cdr	15A12
2	LT	Tm Ldr	15A12
4	WO	RW Pilot, OH-58	100GS
1	WO	RW IP	100GS
2	E-5	Aeroscout Obsvr	11D2F
9	E-5	OH-6/OH-58 CRC	67V2F

AERORIFLE PLT HQ

1	CPT	Plt Cdr	15A11
8	WO	RW Pilot, UH-1	100B0
2	WO	RW Pilot, UH-1	100B0
1	E-7	Plt SGT	11B40
5	E-5	UH-1 CRC	67V2F(N2F)
1	WO	RW IP	100BC
1	WO	RW Inst Exam	100BC

AERORIFLE SQD

4	E-6	SL	11B30
8	E-5	Tm Ldr	11B20
8	E-4	Auto Rflmn	11B19
8	E-4	Grendr	11B10
12	E-3	Rflmn	11B10

AEROWEAPONS PLT HQ

1	CPT	Plt Cdr	15A12
1	WO	RW IP	100EC
1	E-7	Plt SGT	67Y40
1	E-5	AH-1G CRC	67Y20

AEROWEAPONS SEC

2	LT	Sec Cdr	15A12
2	LT	Tm Ldr	15A12
11	WO	RW Pilot, AH-1G	100E0
8	E-5	AH-1G CRC	67Y20
1	WO	RW Inst Exam	100E6

SVC PLT HQ

1	CPT	Plt Cdr	71A00
3	E-7	Plt SGT	67Z40

MAINT SEC

1	WO	Acft Rep Tech	100BR
1	WO	RW Pilot, UH-1	100BE
1	E-7	Acft Armt Supv	68K40
4	E-7	Maint Supv	67Z40
3	E-7	Plt SGT	67Z40
3	E-6	Mtr SGT	63B30
1	E-6	UH-1 Tech Insp	67N3F
1	E-6	OH-6/OH-58 Tech Insp	67V3F
1	E-6	AH-1G Tech Insp	67Y3F
1	E-5	Mat Supmn	76D20
6	E-5	Sr Acft Armt Mech	68M20
2	E-5	Sr AH-1 Rpmn	67Y20
1	E-5	Sr Avionics Mech	35K20
2	E-5	Sr UH-1 Rpmn	67N20
1	E-5	UH-1 CRC	67N2F
2	E-4	Mat Supmn	76D10
3	E-4	AH-1 Mech	67Y10

PERSONNEL

MAINT SEC (Cont)

8	E-4	Acft Armt Mech	68M10
1	E-4	Avionics Mech	35K10
1	E-4	Fld C-E Equip	
		Mech	31B10
1	E-4	GP Pwr Genr Op/	
		Mech	52B10
2	E-4	UH-1 Rpmn	67N10
1	E-4	WVEH Mech	63B10
1	E-4	Equip Maint Clk	76D10
1	E-3	Pwr Genr Equip	
		Helper	52B10
³ 2	E-3	Asst WVEH Mech	63B10
1	E-3	AH-1 Maint Helper	67Y10
1	E-3	UH-1 Maint Helper	67N10
1	E-3	Mat Supmn	76D10
⁴ 1	E-3	WVEH Mech	63B10

SUP SEC

1	WO	Sec Ch	100B0
1	E-6	Sup SGT	76Y30
1	E-5	Afld Svc Supv	67Y20
1	E-5	UH-1 CRC	67N2F
1	E-5	Acft Fuel Hdlr	76W20
2	E-4	Acft Fuel Hdlr	76W10
2	E-4	Ammo SP	11E10
⁵ 1	E-4	Armr	76Y10
2	E-3	Afld Svc Crmn	67N10
1	E-5	Gen Supmn	76Y10
1	E-3	Acft Fuel Hdlr	76W10

⁶DS MAINT SEC

1	WO	Acft Rep Tech	103AR
1	E-7	Maint Supv	67Z40
2	E-6	Hel Tech Insp	67W3F
1	E-5	Sr Acft Turb Eng	
		Rpmn	68B20

DS MAINT SEC (Cont)

1	E-5	Sr Acft Rotor Rpmn	68G20
2	E-5	Sr AFRM Rpmn	68G20
1	E-5	Sr AH-1G Rpmn	67Y20
1	E-5	Sr OH-6/OH-58 Rpmn	67V20
1	E-5	Sr UH-1 Rpmn	67N20
1	E-4	Acft Elec	68F10
1	E-4	Mat Supmn	76D10
1	E-4	Acft Sgl Turb Eng	
		Rpmn	68B10
1	E-4	Acft Hyd Rpmn	68H10
1	E-4	Acft PWTN Rpmn	68D10
1	E-4	Acft Rotor Rpmn	68G10
2	E-4	AFRM Rpmn	68G10
1	E-4	AH-1G Rpmn	67Y10
1	E-4	OH-6/OH-58 Rpmn	67V10
2	E-4	UH-1 Rpmn	67N10

¹ Organic to Armd/Inf (Mech), AmbI (Air Aslt) Div, and ACCB.

² Organic to ACCB only.

³ Organic to Armd/Inf (Mech) Div and ACCB only.

⁴ Organic to the AmbI (Air Aslt) Div only.

⁵ Organic to the Armd/Inf (Mech)/Inf Div and ACCB.

⁶ Organic to the Armd/Inf (Mech) and AmbI (Air Aslt) Div.

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

AIR CAV TRP, AIR CAV SQDN, AMBL (AIR ASLT) DIV
(TOE 17-098H), AIR CAV TRP, ARMD CAV SQDN,
ARMD/INF DIV (MECH) (TOE 17-108H),
AND INF DIV/ACCB (TOE 17-208H)

Hel, AH-1G/S	9 ^{1,3}
Hel, AH-1S	9 ²
Hel, OH-58A	10
Hel, UH-1H	8
Acft armt subsys: 7.62mm, 6-bbl	9
Acft armt subsys: 40mm	9
Lchr, gren: 40mm, rifle	19
Lchr: 2.75-inch	18
Lchr, gren: 40mm, L/R feed	9
Lchr: 2.75-inch, 19-tube	10 ^{1,3}
Lchr, rkt: 66mm, 4-tube	1
Mg, 7.62mm: acft lt, door-mtd	16
Mg, .50 cal: gnd, flex w/mt	2 ² (4 ^{1,3})
Mg, 7.62mm: lt flex w/mt	14 ^{1,3}
Revolver: cal. 38	71 ^{3,2} (69 ¹)
Rifle: 5.56mm	139 ³ (135 ²)(115 ¹)
Trk, util: ¼-ton	3
Tlr, cgo: ¼-ton	3
Tlr, cgo: ¾-ton	4 ²
Trk, cgo: 1¼-ton, 6x6	2 ² (1 ^{1,3})
Trk, cgo: ¾-ton, 4x4	4 ²
Trk, cgo: 2½-ton, 6x6	1 ^{1,3}
Trk, wkr: 5-ton, 6x6, WWN	1 ³
Tlr, cgo: 1½-ton	10 ³ (7 ¹)
Trk, wkr: 2½-ton, 6x6, WWN	1 ²

Trk, cgo: 5-ton, LWB	8 ¹ (11 ³)
FLFT: 6,000-lb, RT	2
Trk, van: shop, 2½-ton, 6x6	1 ^{1,3}
Rdo set: AN/GRC-106	1
Rdo set: AN/PRC-47	2 ²
Rdo set: AN/VRC-24	1 ²
Rdo set: AN/VRC-47	4
Rdo set: AN/PRC-77	16 ^{1,3} (21 ²)
Rdo set con gp: AN/GRA-39	4 ² (1 ^{1,3})
Rdo set: AN/PRC-90	54
Rcvr-trans con gp: GRA-6	1
Equip, speech scty: TSEC/KY-28	27
Equip, speech scty: TSEC/KY-38	2
Rdo set, beacon: TRN-30	1
FARE sys	2
Genr: 1.5 kW, AC	6 ¹ (7 ^{2,3})
Genr: 3 kW, DC	2
Genr: 7.5 kW, DC	5 ² (3 ^{1,3})
Intg, cmpt: KIR-1A/TSEC	2
Metascope: PAS-6	6 ² (5 ^{1,3})
Goggles, night vision: PVS-5	27
Night vision sight, ind wpns: PVS-4	8
Pwr sup, VEH: Z-ACD	2
Missile, guided: trac, ir, SU-36	2
Transponder, cmpt: KIT-1A TSEC	27

¹ Equipment organic to TOE 17-208H.

² Equipment organic to TOE 17-098H.

³ Equipment organic to TOE 17-108H.

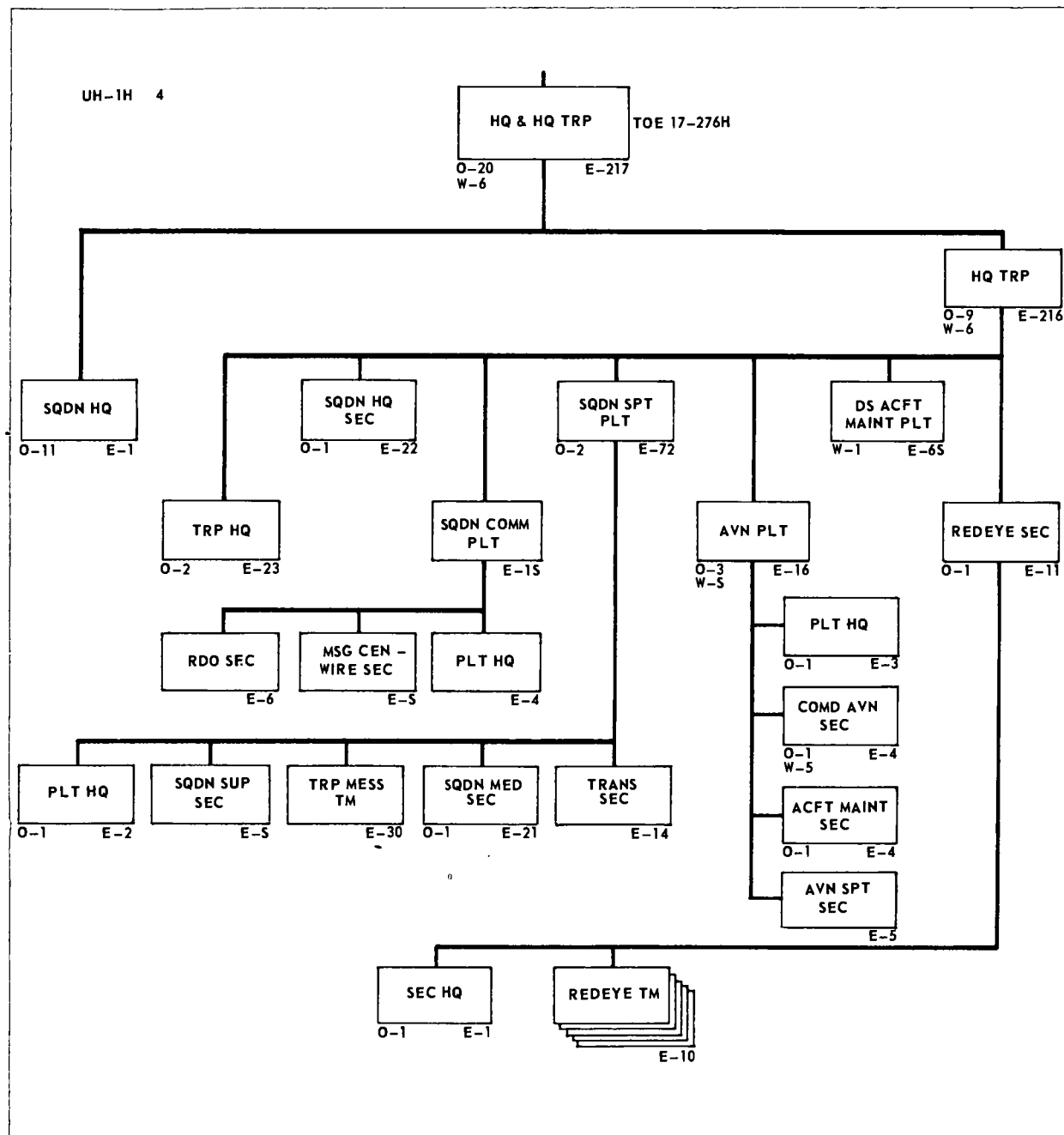


Figure B-3. Headquarters and Headquarters Troop, Air Cavalry Squadron, Airborne Division.

PERSONNEL

HHT, AIR CAV SQDN, ABN DIV (TOE 17-276H)

SQDN HQ

1	LTC	Sqd Cdr	15A12
1	MAJ	XO	15A12
1	MAJ	S3	15A12
1	CPT	Avn Med Off	61N00
1	CPT	Avn Safety Off	15A12
1	CPT	C-E Stf Off	25A00
1	CPT	CH	56A00
1	CPT	Maint Off	71A00
1	CPT	S1	41A00
1	CPT	S2	15A35
1	CPT	S4	15A92
1	E-9	CSM	00Z5P

TRP HQ

1	CPT	Trp Cdr	15A12
1	LT	XO	15A12
1	E-8	1SG	11E5P
1	E-8	Mtr SGT	63Z5P
1	E-6	Sup SGT	76Y3P
2	E-5	Sr WVEH Mech	63B2P
1	E-5	Unit Clk	75B2P
1	E-4	Armr	76Y1P
1	E-4	Equip Maint Clk	76D1P
3	E-4	GP Pwr Genr Op/Mech	52B1P
1	E-4	PLL Clk	76D1P
4	E-4	WVEH Mech	63B1P
1	E-4	Wkr Op	63C1P
1	E-3	Lt Veh Dvr	11D1P
2	E-3	Pwr Genr Equip Helper	52B1P
1	E-3	Gen Supmn	76Y1P
3	E-3	Asst WVEH Mech	63B1P

SQDN HQ SEC

1	CPT	Asst S3	15A12
1	E-8	Intel SGT	11E5P
1	E-8	Op SGT	11E5P
1	E-7	Asst Op SGT	11D4P
1	E-7	PSNCO	75Z4P
1	E-7	Sr Army CARCSLR	00E4P

SQDN HQ SEC (Cont)

1	E-6	Cml Stf NCO	54E3P
1	E-6	Flt Op Clk	71P3P
1	E-6	Legal Clk	71D3P
1	E-4	Flt Op SP	71P1P
1	E-4	CH Asst	71M1P
2	E-4	Clk-Typist	71B1P
1	E-4	Gen Dftmn	81A1P
1	E-4	Sr Rdo Op	05B1P
2	E-4	Sr Voice Rdo Op	05E1P
1	E-3	Flt Op SP	71P1P
2	E-3	Lt Veh Dvr	11D1P
1	E-3	Rdo Op	05B1P
2	E-3	Voice Rdo Op	05E1P

SQDN COMM PLT HQ

1	E-7	Comm Ch	31G4P
1	E-4	Fld C-E Equip Mech	31B1P
1	E-4	Sr Voice Rdo Op	05E1P
1	E-3	Voice Rdo Op	05E1P

RDO SEC

1	E-5	Sec Ch	05C2P
1	E-5	RATT Tm Ch	05C2P
4	E-4	RATT Op	05F1P

MSG CEN-WIRE SEC

1	E-6	Sec SGT	31G3P
1	E-4	Sr Fld Swbd Op	36K1P
1	E-4	Sr Msg Clk	36K1P
1	E-3	Fld Swbd Op	36K1P
1	E-3	Tac Wire Op SP	36K1P

SQDN SPT PLT HQ

1	LT	Plt Ldr	92B00
1	E-7	Plt SGT	76Y4P
1	E-3	Lt Veh Dvr	11D1P

TRANS SEC

1	E-6	Sec SGT	64C3P
1	E-5	Sr Ammo Rec Clk	55B2P
3	E-4	Veh Dvr	64C1P
4	E-3	Ammo Helper	11D1P
5	E-3	Veh Dvr	64C1P

PERSONNEL

SQDN SUP SEC

1	E-7	Sup SGT	76Y4P
1	E-5	Gen Supmn	76Y2P
2	E-4	Gen Supmn	76Y1P
1	E-3	Gen Supmn	76Y1P

TRP MESS TM

5	E-7	Food Svc SGT	94B4P
4	E-6	First Cook	94B3P
1	E-5	First Cook	94B2P
5	E-5	Cook	94B2P
10	E-4	Cook	94B1P
5	E-3	Cook	94B1P

SQDN MED SEC

1	LT	Med Op Asst	67B00
1	E-6	Sec SGT	91B3P
1	E-6	Clin SP	91C3P
1	E-5	Med Aidman	91B2P
8	E-5	Trp Aidman	91B2P
2	E-4	Med Aidman	91B1P
1	E-4	Clin SP	91C1P
4	E-4	Trp Aidman	91B1P
2	E-3	Amb Dvr	91B1P
1	E-3	Med Aidman	91B1P

AVN PLT HQ

1	CPT	Plt Cdr	15A12
1	E-7	Plt SGT	67Z5P
1	E-6	UH-1 Tech Insp	67N3F
1	E-3	Lt Veh Dvr	67N1P

COMD AVN SEC

1	LT	Sec Ldr	15A12
2	WO	Pilot, UH-1	100B0
1	WO	RW Inst Exam	100B6
1	WO	RW Flt Safety Tech	100BB
1	WO	RW IP	100BC
4	E-5	UH-1 CRC	67N2F

ACFT MAINT SEC

1	WO	Acft Rep Tech	100BR
1	E-5	Sr UH-1 Rpmn	67N2P
1	E-4	Avionics Mech	35K1P
1	E-4	Mat Supmn	76D1P

ACFT MAINT SEC (Cont)

1	E-4	Acft Hyd Rpmn	68H1P
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AVN SPT SEC

1	E-5	Afld Svc Supv	67N2P
1	E-5	Acft Fuel Hdlr	76W2P
1	E-4	Acft Fuel Hdlr	76W1P
2	E-3	Afld Svcmn	76Y1P

DS ACFT MAINT PLT

1	WO	Acft Rep Tech	100BR
1	E-7	Plt SGT	67Z4P
1	E-7	Ch Hel Tech Insp	67W4F
1	E-7	Maint Supv	67Z4P
1	E-6	AFRM Rep Supv	68G3P
3	E-6	Hel Tech Insp	67W3F
1	E-5	Mat Supmn	76D2P
2	E-5	Sr Acft Rotor Rpmn	68G2P
2	E-5	Sr Acft Sgl Turb Eng Rpmn	68B2P
4	E-5	Sr AH-1G Rpmn	67Y2P
4	E-5	Sr AFRM Rpmn	68G2P
4	E-5	Sr OH-6/OH-58 Rpmn	67V2P
4	E-5	Sr UH-1 Rpmn	67N2P
1	E-4	Acft Elec	68F1P
1	E-4	Acft Hyd Rpmn	68H1P
2	E-4	Acft Rotor Rpmn	68G1P
1	E-4	Acft PWTN Rpmn	68D1P
3	E-4	Acft Sgl Turb Eng Rpmn	68B1P
4	E-4	AH-1G Rpmn	67Y1P
4	E-4	AFRM Rpmn	68G1P
4	E-4	OH-6/OH-58 Hel Rpmn	67V1P
2	E-4	Mat Supmn	76D1P
5	E-4	UH-1 Rpmn	67N1P
1	E-3	Acft Turb Eng Rep Helper	68B1P
1	E-3	AH-1G Maint Helper	67Y1P
2	E-3	AFRM Rep Helper	68G1P
1	E-3	Clk	71B1P
2	E-3	OH-6/OH-58 Maint Helper	67V1P
2	E-3	UH-1 Maint Helper	67N1P
1	E-3	Mat Supmn	76D1P

PERSONNEL

REDEYE SEC

1	LT	Sec Ldr	14B00
1	E-6	Sec SGT	16P3P

REDEYE TM

5	E-5	Tm Ch	16P2P
5	E-4	REDEYE Gnr	16P1P

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

HHT, AIR CAV SQDN, ABN DIV (TOE 17-276H)

Intg, cmpt: KIR-1A/TSEC	1
Lchr, gren: 40mm, rifle	4
Mg, 50 cal: flex for gnd use, w/mts	3
Mg, 7.62mm: acft lt door-mtd	8
Mg, 7.62mm: lt flex w/mts	2
Goggles, night vision: PVS-5	7
Pwr sup: PP-4763/GRC & VEH Z-ACD	6
Rdo set: GRC-106	3
Rdo set: GRC-160	5
Rdo set: PRC-90	8
Rdo set: VRC-24	1
Rdo set: VRC-46	6
Rdo set: VRC-47	9
Rdo set: VRC-48	1
Rdo set: VRC-49	1
Rdo set: VRC-64	3
Rdo set con gp: GRA-39	5
RATT set: VSC-2	2
Rcvr-trans con gp: GRA-6	3
Revolver: cal .38, sp	46
Rifle: 5.56mm	204

Tac dgtl regen repeater, ptbl: HYL-3/TSEC	1
Equip, speech scty: TSEC/KY-28	10
Equip, speech scty: TSEC/KY-38	6
Tlr, cgo: ¼-ton	16
Tlr, cgo: 1½-ton	19
Tlr, tk: water, 400-gal, 1½-ton	2
Transponder, cmpt: KIT-1A/TSEC	4
Trk, amb: ¼-ton, 6x6	2
Trk, cgo: 1¼-ton, 6x6	10
Trk, cgo: 2½-ton, 6x6	15
Trk, cgo: 2½-ton, 6x6, WWN	6
Trk, FLFT: 6,000-lb, RT	1
Trk, FLFT: 10,000-lb, RT	1
Trk, util: ¼-ton, 4x4	20
Trk, wkr: 5-ton, 6x6, WWN	2
Rdo set, beacon: TRN-30	1
Comd console: ASC-15	2
Equip, tt scty: TSEC/KW-7	2
Equip, rfl: fwd area, FARE sys	1
Genr: 0.5 kW, AC	1
Genr: 1.5 kW, AC	5
Genr: 3 kW, DC	7
Genr: 7.5 kW, DC	1
Hel, util: UH-1H	4

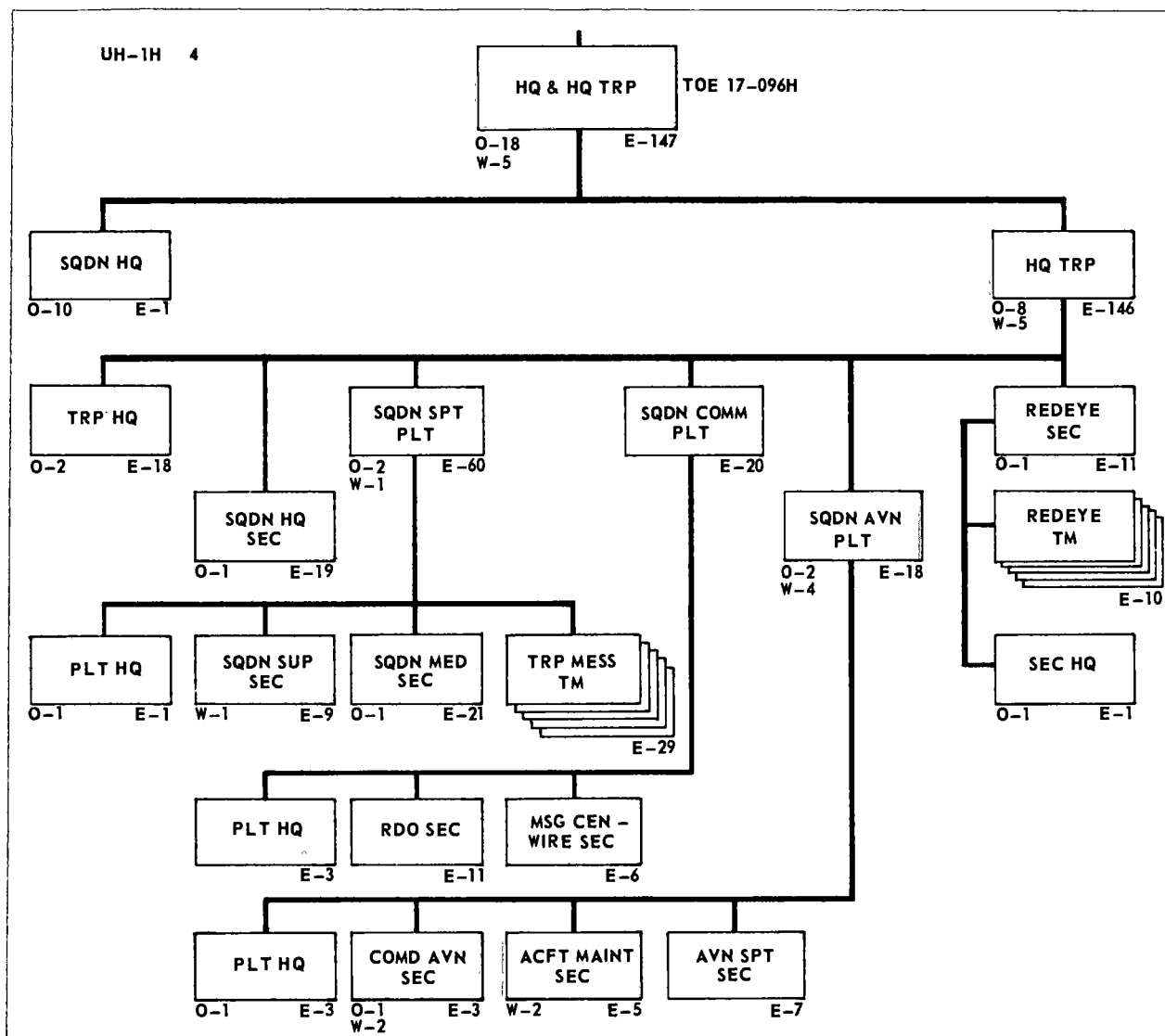


Figure B-4. Headquarters and Headquarters Troop, Air Cavalry Squadron, Airmobile Division.

PERSONNEL

HHT, AIR CAV SQDN, AMBL DIV (TOE 17-096H)

SQDN HQ

1	LTC	Sqdn Cdr	15A12
1	MAJ	XO	15A12
1	MAJ	S3	15A12
1	CPT	Avn Med Off	61N00
1	CPT	Avn Safety Off	15A12
1	CPT	C-E Stf Off	25A00
1	CPT	CH	56A00
1	CPT	Maint Off	71A00
1	CPT	S2	15A35
1	CPT	S4	15A92
1	E-9	CSM	00Z5P

TRP HQ

1	CPT	Trp Cdr	15A12
1	LT	XO	15A12
1	E-8	1SG	11E5P
1	E-7	Mtr SGT	63Z4P
1	E-6	Sup SGT	76Y3P
1	E-5	Sr WVEH Mech	63B29
1	E-5	Unit Clk	75B2P
1	E-4	Armr	76Y1P
2	E-4	GP Pwr Genr Op/Mech	52B1P
1	E-4	Veh Op	63F10
4	E-4	WVEH Mech	63B1P
1	E-4	Maint Clk	76D10
1	E-3	Lt Veh Dvr	11D10
1	E-3	Pwr Genr Equip	
		Helper	52B10
1	E-3	Gen Supmn	76Y10
1	E-3	WVEH Mech Helper	63A10

SQDN HQ SEC

1	CPT	Asst S3	15A12
1	E-8	Intel SGT	11E50
1	E-8	Op SGT	11E50
1	E-7	Asst Op SGT	11D40
1	E-7	Army CARCSLR	00E40
1	E-7	Flt Op Ch	71P40
1	E-7	PSNCO	75Z40
1	E-6	Legal Clk	71D30
1	E-6	Cml Stf NCO	54E30

SQDN HQ SEC (Cont)

1	E-4	CH Asst	71M10
2	E-4	Clk-Typist	71B10
1	E-4	Flt Op SP	71P10
1	E-4	Gen Dftmn	81A10
4	E-3	Lt Veh Dvr	11D10
2	E-3	Flt Op SP	71P10

SQDN COMM PLT HQ

1	E-7	Comm Ch	31G40
1	E-4	Fld C-E Equip Mech	31B10
1	E-3	Voice Rdo Op	05E10

RDO SEC

1	E-6	Sec Ch	05F30
1	E-5	RATT Tm Ch	05F20
1	E-5	Rdo Tm Ch	05E20
4	E-4	RATT Op	05F10
2	E-4	Sr Voice Rdo Op	05E10
2	E-3	Voice Rdo Op	05E10

MSG CEN-WIRE SEC

1	E-6	Sec SGT	31G30
1	E-6	Msg Clk	36K30
1	E-4	Sr Msg Clk	36K10
1	E-4	Sr Fld Swbd Op	36K10
1	E-3	Fld Swbd Op	36K10
1	E-3	Tac Wire Op SP	36K10

SQDN SPT PLT HQ

1	LT	Plt Cdr	95B00
1	E-3	Lt Veh Dvr	11D10

TRP MESS TM

5	E-7	Food Svc SGT	94B40
4	E-6	First Cook	94B30
1	E-5	First Cook	94B20
5	E-5	Cook	94B20
10	E-4	Cook	94B10
4	E-3	Cook	94B10

SQDN SUP SEC

1	WO	Unit Sup Tech	761A0
1	E-7	Sup SGT	76Y40

PERSONNEL**SQDN SUP SEC (Cont)**

1	E-5	Sr Ammo Rec Clk	55B20
1	E-5	Gen Supmn	76Y10
2	E-4	Gen Supmn	11E10
3	E-3	Ammo Hdlr	76Y10
1	E-3	Gen Supmn	76Y10

SQDN MED SEC

1	LT	Med Op Asst	67B00
1	E-6	Sec SGT	91B30
1	E-6	Clin SP	91C30
1	E-5	Med Aidman	91B20
8	E-5	Trp Aidman	91B20
2	E-4	Med Aidman	91B10
1	E-4	Clin SP	91C10
2	E-3	Amb Dvr	91B10
4	E-3	Trp Aidman	91B10
1	E-3	Med Aidman	91B10

SQDN AVN PLT HQ

1	CPT	Plt Cdr	15A12
1	E-7	Plt SGT	67Z50
1	E-6	UH-1 Tech Insp	67N3F
1	E-3	Lt Veh Dvr	67N20

COMD AVN SEC

1	LT	Sec Ldr	15A12
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COMD AVN SEC (Cont)

1	WO	RW Flt Safety Tech	100BB
1	WO	RW IP	100BC
3	E-5	UH-1 CRC	67N2F

ACFT MAINT SEC

1	WO	Acft Rep Tech	100BR
1	WO	RW Inst Exam	100B6
1	E-5	Sr UH-1 Rpmn	67N20
1	E-5	UH-1 CRC	67N2F
1	E-4	Avionics Mech	35K10
1	E-4	Mat Supmn	76D10
1	E-4	UH-1 Rpmn	67N10

AVN SPT SEC

1	E-5	Afld Svc Supv	67N20
1	E-5	Acft Fuel Hdlr	76W20
2	E-4	Acft Fuel Hdlr	76W10
2	E-3	Acft Svcmn	67N10
1	E-3	Acft Fuel Hdlr	76W10

REDEYE SEC HQ

1	LT	Sec Ldr	14B00
1	E-6	Sec SGT	16P30

REDEYE TM

5	E-5	Tm Ch	16P20
5	E-4	REDEYE Gnr	16P10

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**HHT, AIR CAV SQDN, AMBL DIV (TOE 17-096H)**

Rdo set, beacon: TRN-30	1
Mach, cipher: TSEC/KL-7	2
Comd console: ASC-15	2
Equip, tt scty: TSEC/KW-7	2
Equip, rfl: fwd area, FARE sys	1
Genr: 0.5 kW, AC	1
Genr: 1.5 kW, AC & DC	8
Genr: 3 kW, DC	3
Genr: 15 kW, AC	3

Genr: 7.5 kW, DC	1
Hel, util: UH-1H	4
Intg, cmpt: KIR-1A/TSEC	1
Lchr, gren: 40mm, rifle	4
Mg, .50 cal: flex, gnd use w/mts	6
Mg, 7.62mm: acft lt, door-mtd	8
Metascope: PAS-6	4
Goggles, night vision: PVS-5	7
Pwr sup: PP-4763/GRC & VEH	
Z-ACD	9
Rdo set: GRC-106	2

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

Rdo set: PRC-47	2	Equip, speech scty: TSEC/KY-38	8
Rdo set: PRC-77	6	Tac-dgtl regen repeater, ptbl:	
Rdo set: PRC-90	8	HYL-3 TSEC	1
Rdo set: VRC-24	1	Tlr, cgo: ¼-ton	13
Rdo set: VRC-46	7	Tlr, cgo: ¾-ton	3
Rdo set: VRC-47	3	Tlr, cgo: 1½-ton	11
Rdo set: VRC-48	1	Tlr, tk: water, 400-gal, 1½-ton	5
Rdo set: VRC-49	1	Transponder, cmpt: KIT-1A/TSEC	27
Rdo set: VRC-64	1	Trk, amb: 1¼-ton, 6x6	2
Rdo set con gp: GRA-39	8	Trk, cgo: ¾-ton, 4x4	2
RATT set: VSC-2	2	Tlr, cgo: 2½-ton, 6x6	4
Rcvr-trans con gp: GRA-6	2	Trk, cgo: 2½-ton, 6x6, WWN	12
Revolver: cal .38, sp	40	Trk, FLFT: RT, 3,000-lb	1
Rifle: 5.56mm	130	Trk, util: ¼-ton, 4x4	13
Equip, speech scty (abn): TSEC/ KY-28	10	Trk, wkr: 2½-ton, 6x6, WWN	1

FM 1-15

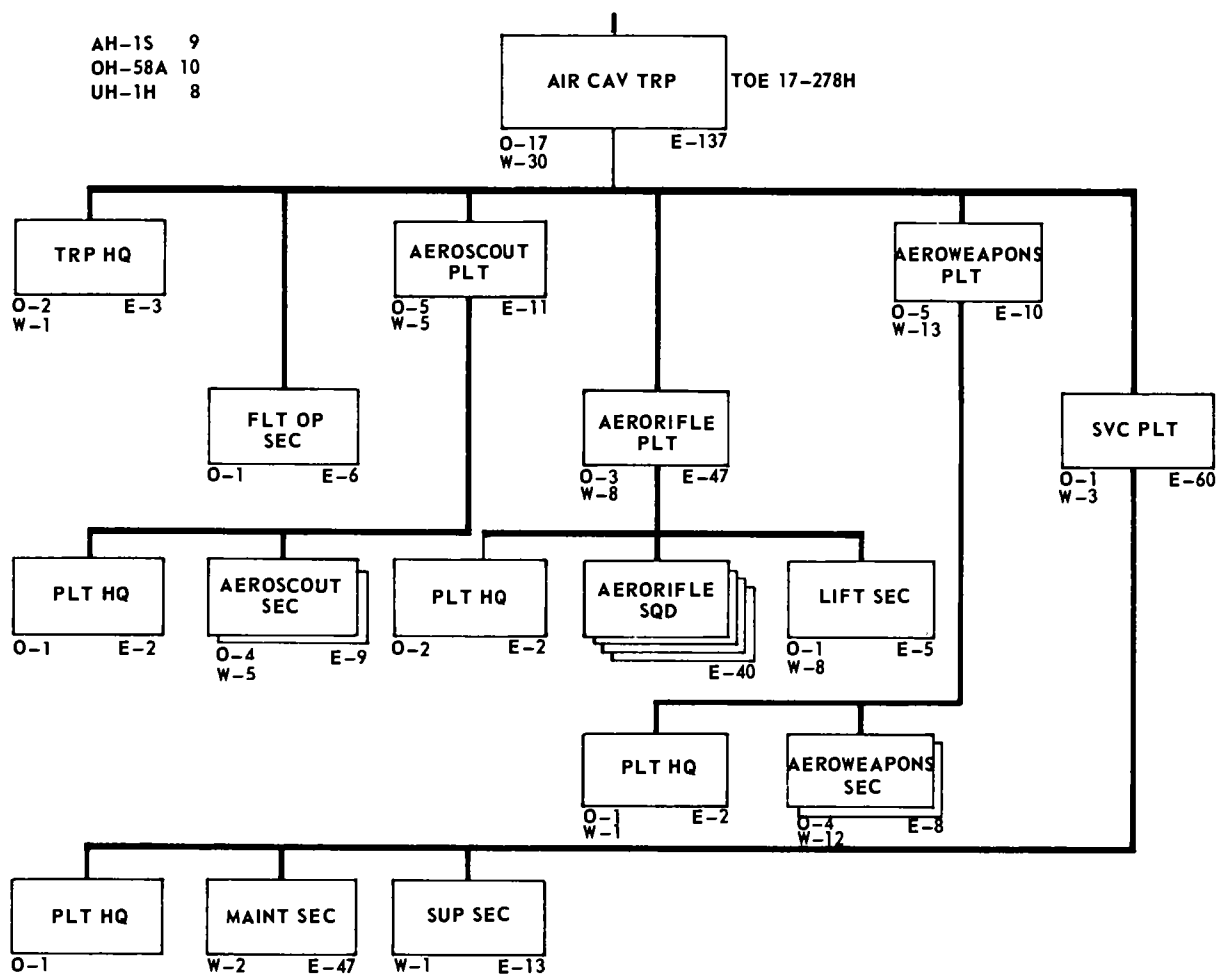


Figure B-5. Air Cavalry Troop, Air Cavalry Squadron, Airborne Division.

PERSONNEL

AIR CAV TRP, AIR CAV SQDN, ABN DIV (TOE 17-278H)

TRP HQ

1	MAJ	Trp Cdr	15A12
1	CPT	XO	15A12
1	WO	RW Inst Exam	100B6
1	E-8	1SG	11E5P
1	E-5	UH-1 CRC	67N2F
1	E-5	Unit Clk	75B2P

FLT OP SEC

1	CPT	Flt Op Off	15A12
1	E-7	Op SGT	11D4P
1	E-6	Comm Ch	31G3P
1	E-4	Flt Op SP	71P1P
1	E-4	Sr Fld Swbd Op	36K1P
1	E-4	Sr Rdo Op	05B1P
1	E-4	Voice Rdo Op	05E1P

AEROSCOU PLT HQ

1	CPT	Plt Cdr	15A12
1	E-7	Plt SGT	67V4F
1	E-5	OH-6/OH-58 CRC	67V2F

AEROSCOU SEC

2	LT	Sec Cdr	15A12
2	LT	Tm Ldr	15A12
3	WO	Pilot, OH-58	100BS
1	WO	RW Flt Safety Tech	100GB
1	WO	RW IP	100GC
9	E-5	OH-6/OH-58 CRC	67V2F

AERORIFLE PLT HQ

1	CPT	Plt Cdr	15A12
1	LT	Plt Ldr	11B00
1	E-7	Plt SGT	11B4P
1	E-5	RATT Op	11B1P

LIFT SEC

1	LT	Sec Cdr	15A12
7	WO	Pilot, UH-1	100B0
1	WO	RW IP	100BC
1	E-6	Sec Ch	67N3F
4	E-5	UH-1 CRC	67N1F

AERORIFLE SQD

4	E-6	SL	11B3P
8	E-5	Tm Ldr	11B2P
8	E-4	Auto Rflmn	11B1P
8	E-4	Grendr	11B1P
12	E-3	Rflmn	11B1P

AEROWEAPONS PLT HQ

1	CPT	Plt Cdr	15A12
1	WO	RW IP	100EC
1	E-7	Plt SGT	67Y4P
1	E-5	AH-1G CRC	67Y2P

AEROWEAPONS SEC

2	LT	Sec Cdr	15A12
2	LT	Tm Ldr	15A12
1	WO	RW Inst Exam	100E6
11	WO	Pilot, AH-1G	100E0
8	E-5	AH-1G CRC	67Y2P

SVC PLT HQ

1	CPT	Plt Cdr	71A00
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MAINT SEC

1	WO	Acft Rep Tech	100BR
1	WO	Pilot, UH-1	100BE
1	E-7	Acft Armt Supv	68K4P
1	E-7	Maint Supv	67Z4P
1	E-6	Mtr SGT	63B3P
1	E-6	AH-1G Tech Insp	67Y3F
1	E-6	OH-6/OH-58 Tech Insp	67V3F
1	E-6	UH-1 Tech Insp	67N3F
1	E-5	Mat Supmn	76D2P
6	E-5	Sr Acft Armt Mech	68M2P
2	E-5	Sr AH-1G Rpmn	67Y2P
2	E-5	Sr Avionics Mech	35K2P
2	E-5	Sr UH-1 Rpmn	67N2P
1	E-5	UH-1 CRC	67N2F
2	E-4	Mat Supmn	76D1P
3	E-4	AH-1G Rpmn	67H1P
7	E-4	Acft Armt Mech	68M1P
3	E-4	Avionics Mech	35K1P
1	E-4	Fld C-E Equip Mech	31B1P
1	E-4	GP Pwr Genr Op/Mech	52B1P

PERSONNEL**MAINT SEC (Cont)**

1	E-4	PLL Clk	76D1P
2	E-4	UH-1 Rpmn	67N1P
1	E-4	WVEH Mech	63B1P
1	E-3	AH-1G Maint Helper	67Y1P
1	E-3	Pwr Genr Equip Helper	52B1P
1	E-3	UH-1 Maint Helper	67Y1P
1	E-3	WVEH Mech Helper	63B1P
1	E-3	Mat Supmn	76D1P

SUP SEC

1	WO	Sec Ch	100B0
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SUP SEC (Cont)

1	E-6	Sup SGT	76Y3P
1	E-5	Afld Svc Supv	67N2P
1	E-5	UH-1 CRC	67N2F
1	E-4	Acft Fuel Hdlr	76W1P
2	E-4	Acft Fuel Hdlr	76W1P
1	E-4	Armr	76Y1P
2	E-4	Ammo SP	11E1P
2	E-3	Afld Svcmn	76Y1P
1	E-3	Gen Supmn	76Y1P
1	E-3	Acft Fuel Hdlr	76Y1P

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE**AIR CAV TRP, AIR CAV SQDN, ABN DIV (TOE 17-278H)**

Armt subsys: hel, 20mm, auto gun	4
Rdo set, beacon: TRN-30	1
Bipod rifle: 5.56mm w/case	8
Equip, rfl: fwd area, FARE sys	2
Genr: 0.5 kW, AC	1
Genr: 1.5 kW, AC	5
Genr: 3 kW, DC	2
Genr: 7.5 kW, DC	3
Hel, atk: AH-1G	9
Hel, obsn: OH-58A	10
Hel, util: UH-1H	8
Intg, cmpt: KIR-1A TSEC	2
Lchr, gren: 40mm	9
Lchr, gren: 40mm, rifle	19
Lchr, rkt: 2.75-inch	12
Lchr, rkt: 2.75-inch, 19-tube (rep)	20
Lchr, rkt: 66mm, 4-tube	1
Mg, .50 cal: flex, gnd use w/mt	6
Mg, 7.62mm: acft lt door-mtd	16
Mg, 7.62mm: lt flex w/mts	14
Mg, 7.62mm: 6-bbl	15
Goggles, night vision: PVS-5	27

Tlr, ammo: 1 ½-ton	2
Tlr, cgo: ¼-ton	3
Tlr, cgo: 1 ½-ton	3
Transponder, cmpt: KIT-1A/TSEC	27
Trk, cgo: 1 ¼-ton, 6x6	1
Trk, cgo: 2 ½-ton, 6x6	4
Trk, cgo: 2 ½-ton, 6x6, WWN	7
Trk, FLFT: 6,000-lb, RT	2
Trk, plat util: ½-ton, 4x4	2
Trk, util: ¼-ton, 4x4	3
Sight, night vision: ind wpns, PVS-2	8
Pwr sup: VEH Z-ACD	3
Rcvr-trans con gp: GRA-6	1
Rdo set: GRC-106	1
Rdo set: PRC-77	15
Rdo set: PRC-90	54
Rdo set: VRC-47	4
Rdo set con gp: GRA-39	1
Revolver: cal .38, sp	68
Rifle: 5.56mm	123
Equip, speech scty: TSEC/KY-28	27
Equip, speech scty: TSEC/KY-38	3
Missile, guided: trac, ir, SU-36, (DRAGON)	2

APPENDIX C

ATTACK HELICOPTER UNITS

The doctrine of potential enemy nations is to conduct massive assaults using armor and mechanized infantry units. To defeat such a formidable force, it must be engaged with a weapons system that is highly accurate, is lethal, and can be effectively employed in a high threat environment.

The attack helicopter battalion provides the ground commander an antiarmor weapon that is completely mobile; and when properly integrated with the combined arms team, it can move about the battlefield to bring heavy firepower to bear on—and destroy—the enemy's armor threat.

This appendix discusses general planning information for effective use of the attack helicopter units.

MISSION

The mission of the attack helicopter company/battalion is to destroy or disrupt enemy armor and mechanized forces by aerial firepower.

ASSIGNMENT

Attack helicopter companies are assigned to corps, the airmobile divisions, the aviation groups, and to the cavalry brigades (air combat). Presently, attack helicopter battalions are organic to the ACCB, and a provisional battalion is assigned to the airmobile division.

ORGANIZATION

The organization of the attack helicopter company/battalion of the ACCB is illustrated in chapter 8, page 192.

CAPABILITIES

- Attacks or counterattacks, using stealth and maximum target standoff.
- Provides rapid responsive point and area target fire.
- Conducts operations at terrain flying altitudes.
- Provides attack helicopter units for employment as a part of combined arms teams.

FM 1-15

- Reacts to intelligence and coordinates response with other maneuver units.
- Conducts allied reconnaissance and security as an economy of force.
- Provides the mobility and firepower to exploit the effects of nuclear and nonnuclear fire support.
- Engages in effective, coordinated defense of the unit's area.
- Performs organizational maintenance on organic equipment.
- Performs aviation unit maintenance, less avionics and armament, at battalion level on organic aircraft.

EMPLOYMENT

Attack helicopter units are designed to be employed as integral parts of a combined arms force. They are maneuver units ideally suited for situations in which time is critical, there are inadequate ground forces, or ground forces are restricted by terrain. Their employment then must be integrated into the overall scheme of maneuver and fire planning of the ground force. It must be kept foremost in mind that attack helicopter units are markedly more effective on a battlefield characterized by enemy movement. Using their speed, mobility, flexibility, and armor-defeating firepower, attack helicopter units can quickly respond to a threat; rapidly mass firepower; and exploit enemy weaknesses. If attack helicopters are used to attack well dug-in and concealed enemy forces who possess substantial size and capability, effectiveness is decreased and attack helicopter losses will be greater.

Attack helicopter units are most effective when unit integrity is maintained. Committing them in strength enables the attack helicopter units to mass their fires and promote continuous operation. This is accomplished through a series of ambushes in width and in depth. *Attrition* is the method; *destruction* of the opposing force is the goal.

Attack helicopter units normally will not be assigned to attack, secure, and hold terrain. However, an attack helicopter unit can *dominate* terrain, denying the enemy its use for limited periods of time.

The concept of operation of the attack helicopter unit is based on the capabilities of its maneuver elements. The aeroscout helicopters find the enemies; the attack helicopters destroy them. To bring this statement into better perspective, let's identify the roles of these aircraft:

Aeroscout

The primary mission of the aeroscout is to acquire targets while coordinating the movements of the attack helicopters. The aeroscout does this by—

- Coordinating the mission with the assets available and applying this coordination to the friendly and enemy situations.

- Coordinating the mission with the friendly ground units.
- Initiating the search, using terrain flight techniques.
- Acquiring and identifying targets and reporting them through intelligence channels.
- Selecting attack and firing positions that provide concealment and standoff ranges for the attack helicopters.
- Directing the attack helicopters into these attack and firing positions.
- Handing off selected targets to the attack helicopters, furnishing target description and direction and distance from the firing positions.
- Providing local security for the attack helicopters while they engage these targets.
- Coordinating and adjusting these fires, as directed, when tactical air and artillery are employed.

Attack Helicopter

The attack helicopter platoons of the unit deliver the "combat punch" on the targets acquired by the aeroscouts. The attack helicopters are habitually employed against armor and mechanized targets in both offensive and defensive operations. These platoons accomplish their mission by —

- Integrating their available assets into their assigned mission and the friendly and enemy situations.
- Conducting detailed map reconnaissance to determine the best holding areas, attack routes, and primary alternate attack positions.
- Engaging the targets acquired by the aeroscouts.

FACTORS AFFECTING EMPLOYMENT

As with any combat unit, the factors of METT (*mission, enemy situation, terrain and weather, and troops available*) affect the employment of the attack helicopter unit.

In summary, a close working relationship between the ground force and the attack helicopter unit commanders is essential. Each must thoroughly understand the capabilities and limitations of the other. A complete discussion of the attack helicopter employment concepts is contained in FM 17-50 and also in FM 17-47. *Imagination* and *innovation* are still the bywords of attack helicopter employment, and tend to preclude their action from being predicted by an enemy commander.

APPENDIX D

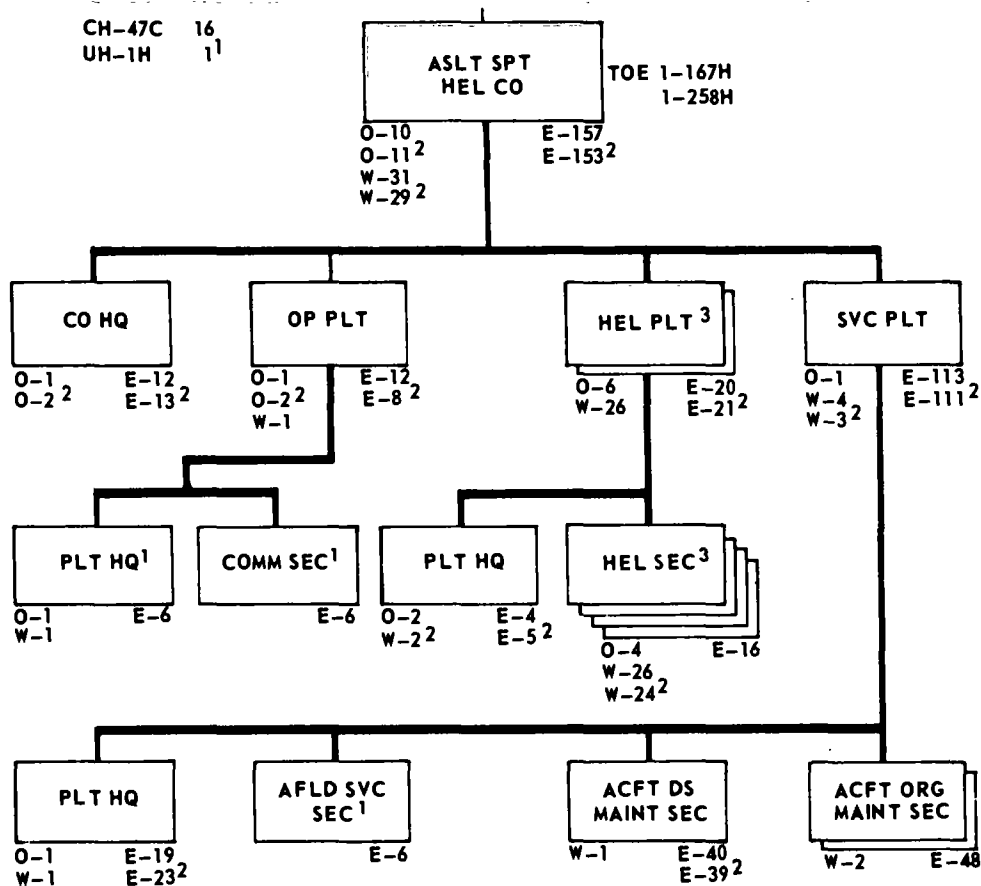
ASSAULT SUPPORT HELICOPTER UNITS

The assault support helicopter company may be organized under either TOE 1-167 or TOE 1-258, depending on the unit of assignment. The appropriate TOE is noted in the applicable chapter for each assignment. The units discussed in this appendix are normally assigned to the assault support helicopter (ASH) battalion, TOE 1-165; however, the discussion can be applied to any ASH company. Any peculiarities for a particular unit will be discussed in the appropriate chapter of this book.

ASSAULT SUPPORT HELICOPTER COMPANY (TOE 1-167H/1-258H)

COMPOSITION

The company is composed of the platoons, sections, and personnel shown in figure D-1.



Note: Assault support helicopter company structure under TOE 1-167H may be organized under the infantry or airmobile division.

¹Not organic to TOE 1-167H.

²Personnel strength differences that apply only to TOE 1-167H.

³Under TOE 1-167H, Hel Plt/Sec is entitled "Aslt Spt Hel Plt/Sec."

Figure D-1. Assault Support Helicopter Company (TOE 1-258H), Nondivisional Aviation Unit.

MISSION

The assault support helicopter company's mission is to provide tactical mobility and materiel for combat troops during operations in the combat zone.

ASSIGNMENT

There are three assault support helicopter companies organic to the assault support helicopter battalion.

CAPABILITIES

- Provides continuous day and night operations during visual meteorological conditions and limited operations during periods of adverse weather.
- Provides—in a single lift—seats for 360 combat-equipped troops or 66 tons of cargo, or an equivalent logistical load.
- Supplements Army air ambulance resources by airmovement of sick and wounded personnel when requested by medical authority.
- Engages in effective, coordinated defense of its area or installation.
- Performs organizational maintenance on all its organic equipment.
- Performs aviation unit maintenance functions, excluding avionics and armament, on assigned aircraft.

LIMITATIONS

- Depends on appropriate teams from aviation operating teams, TOE 1-500, for fire protection.

MOBILITY

- This company is 100 percent mobile in organic vehicles and aircraft.
- This unit is 100 percent air transportable in US Air Force aircraft.

EMPLOYMENT

Flexible rapid response characterizes the assault support helicopter (ASH) operations. For this reason, the ASHs are used to transport field artillery units, air defense units, and antitank elements about the battlefield. Additionally, they have the capability to carry vehicles which provide the deployed units increased ground mobility.

These units are often the lifeline for tactical aviation such as attack and air cavalry units which are often rapidly committed at extended distances far from their normal logistical support base. Moreover, these tactical aviation units are often committed across terrain obstacles where ground support could not follow. In these situations, the tactical unit relies solely on aerial resupply for fuel, ordnance, and repair parts.

The company can be fragmented and employed as platoon-sized units; however, it is more effective when it operates as a single unit. It normally is placed in direct support of a brigade-sized combat force or can be under the operational control (OPCON) of the supported unit on a mission-support basis.

PERSONNEL

ASLT SPT HEL CO (TOE 1-258H/1-167H)				OP PLT HQ (Cont)			
CO HQ				*1	WO	Pilot, UH-1	100B0
1	MAJ	Co Cdr	15A00	1	E-7	Flt Op Ch	71P40
1	E-8	1SG	67Z5M	*1	E-5	UH-1 CRC	67N2F
1	E-7	Food Svc SGT	94B40	1	E-4	Flt Op SP	71P10
1	E-6	Sup SGT	76Y30	*1	E-4	Clk-Typist	71B10
1	E-6	First Cook	94B30	*1	E-4	UH-1 Rpmn	67N10
1	E-5	Unit Clk	75B20	*1	E-3	Flt Op SP	71P10
1	E-5	Cook	94B20	* Under TOE 1-167H, flt op off is a LT, 15A00. Add two E-3, flt op SP, 71P10 and one CPT, op off, 15A00. Substitute one each: E-6, comm ch, 31G30; E-4, fld C-E equip mech, 31B10; E-3, sr fld swbd op, 36K10; and an E-3, fld swbd op, 36K10, where indicated.			
1	E-4	Armr	76Y10	*COMM SEC			
2	E-4	Cook	94B10	1	E-6	Comm Ch	31G40
1	E-4	Veh Dvr	64C10	1	E-5	RATT Tm Ch	05F20
*1	E-4	PLL Clk	76D10	2	E-4	RATT Op	05F10
1	E-3	Cook	94B10	1	E-4	Sr Fld Swbd Op	36K10
1	E-3	Gen Supmn	76Y10	1	E-3	Fld Swbd Op	36K10
*Substitute a CPT, XO, 15A00, when under TOE 1-167H.				*Not included under TOE 1-167H.			
OP PLT HQ							
*1	CPT	Flt Op Off	15A00				

PERSONNEL

***HEL PLT HQ**

2	CPT	Plt Ldr	15A00
2	E-7	Plt SGT	67U40
1	E-4	Veh Dvr	64C10
1	E-3	Veh Dvr	64C10

*Under TOE 1-167H, para is entitled "Aslt Spt Hel Plt Hq." Add one each: WO, RW inst exam, 100C6 and WO, RW flt safety tech, 100CB.

***HEL SEC**

4	CPT	Sec Ldr	15A00
2	WO	RW IP	100CC
1	WO	RW Inst Exam	100C6
1	WO	RW Flt Safety Tech	100CB
22	WO	Pilot, CH-47	100C0
16	E-6	CH-47 CRC	67U3F

*Under TOE 1-167H, para is entitled "Aslt Spt Hel Sec w/LT as Sec Ldrs." Delete one each: WO, RW inst exam, 100C6 and WO, RW flt safety tech. 100CB.

SVC PLT HQ

1	CPT	Plt Ldr	71A00
*1	WO	Acft Rep Tech	100CR
1	E-7	Plt SGT	67U40
1	E-6	Mtr SGT	63B30
*2	E-6	CH-47 Tech Insp	67U3F
1	E-5	Sr Avionics Mech	35K20
*1	E-5	Mat Supmn	76D20
2	E-4	Avionics Mech	35K10
2	E-4	GP Pwr Genr Op/ Mech	52B10
1	E-4	Mat Supmn	76D10
1	E-4	WVEH Mech	63B10
1	E-4	Acft Armt Subsys Mech	68M10
*1	E-4	Eng Equip Mech	62B10
1	E-4	Wkr Op	63B10
2	E-3	WVEH Mech	63B10
*1	E-3	Pwr Genr Equip Helper	52B10

SVC PLT HQ (Cont)

1	E-3	Mat Supmn	76D10
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*Under TOE 1-167H, add two each: E-3, pwr genr equip helper, 52B10; substitute two each: E-5, E-4, E-3, acft fuel hdlrs, 76W20/10 and one each: E-4, PLL clk, 76D10, where indicated.

ACFT DS MAINT SEC

1	WO	Avn Tech	103AR
1	E-7	Maint Supv	67Z40
1	E-6	Hel Tech Insp	67W3F
*1	E-6	Shop Fman	68B30
1	E-5	Sr Acft Elec	68F20
1	E-5	Acft Inst Rpmn	68F20
1	E-5	Sr Acft Multi-Turb Eng Rpmn	68B20
8	E-5	Sr CH-47 Rpmn	67U20
2	E-5	Sr Acft PWTN Rpmn	68D20
1	E-5	Sr AFRM Rpmn	68G20
1	E-5	Sr Acft Hyd Rpmn	68H20
1	E-5	Sr Acft Rotor Rpmn	68G20
1	E-4	Acft Elec	68F10
1	E-4	Acft Multi-Turb Eng Rpmn	68B10
1	E-4	Acft Hyd Rpmn	68H10
1	E-4	AFRM Rpmn	68G10
*1	E-4	UH-1 Rpmn	67N10
8	E-4	CH-47 Rpmn	67U10
2	E-4	Acft PWTN Rpmn	68D10
1	E-4	Acft Rotor Rpmn	68G10
*3	E-3	CH-47 Maint Helper	67U10
*2	E-4	Mat Supmn	76D10

*Add one E-3, CH-47 maint helper, 67U10.

Substitute two E-3, mat supmn, 76D10.

Delete one E-4, UH-1 rpmn, 67N10.

Delete one E-6, shop fman, 68B30.

ACFT ORG MAINT SEC

2	WO	Acft Rep Tech	100CR
2	E-7	Maint Supv	67U40

PERSONNEL

ACFT ORG MAINT SEC (Cont)

2	E-6	CH-47 Tech Insp	67U3F
18	E-5	Sr CH-47 Rpmn	67U20
18	E-4	CH-47 Rpmn	67U10
8	E-3	CH-47 Maint Helper	67U10

*AFLD SVC SEC

1	E-5	Acft Fuel Hdlr	76W20
3	E-4	Acft Fuel Hdlr	76W10
2	E-3	Acft Fuel Hdlr	76W10

*Not reflected on TOE 1-167H.

EQUIPMENT TO MOVE, SHOOT, AND COMMUNICATE

ASLT SPT HEL CO (TOE 1-258H)

Crane, whl-mtd: 3-ton	1
Equip, elec tt scty: TSEC/KY-7	1(0)
Equip, rfl: fwd area, FARE sys	3
*Genr: 1.5 kW, AC	7(4)
Genr: 3 kW, DC	5(4)
Genr: 5 kW, AC	1(4)
Genr: 7.5 kW, DC	2
Hel, cgo trans: CH-47C	16
Hel, util: UH-1H	1(0)
Intg, cmpt: KIR-1A/TSEC	2
Lchr, gren: 40mm, rifle	6
Mg, 7.62mm: acft lt, door-mtd	38(36)
Mg, 7.62mm: lt flex w/mts	4
Pwr sup: PP-2953/U & VEH Z-ACD 2(4)	
Rdo set: PRC-90	34(32)
*Rdo set: VRC-47	2
Rdo set: VRC-64	1(2)
Rdo set con gp: GRA-39	2
RATT set: GRC-142	1(0)
Revolver: cal .38, sp	57(58)
Rifle: 5.56mm	134(132)
Equip, speech scty (abn): TSEC/KY-28	17(16)
Equip, speech scty: TSEC/KY-38	1(2)
Trac, whl, acft tow: 100,000-lb GWT	1
Trac, whl, whse: 4,000-lb	1(0)

Tlr, cgo: ¼-ton	5(2)
Tlr, cgo: ¾-ton	2(6)
Tlr, cgo: 1½-ton	8(4)
Tlr, tk: 400-gal, 1½-ton	1
Transponder, cmpt: KIT-1A/TSEC	17(16)
Trk, cgo: ¾-ton, 4x4	2(7)
Trk, cgo: ¾-ton, 4x4, WWN	3(0)
Trk, cgo: 2½-ton, 6x6	5(2)
Trk, cgo: 5-ton, 6x6	3
*Trk, FLFT: 10,000-lb	1(0)
Trk, trac, wkr: 5-ton, 6x6, WWN	1
Trk, util: ¼-ton, 4x4	5(2)
Trk, van: shop, 2½-ton, 6x6	1(0)

NOTE: Data in parenthesis reflects equipment differences under TOE 1-167H, infantry division. Listed below are additional items when TOE 1-167H is organic to the airmobile (air assault) division.

ASLT SPT HEL CO (TOE 1-167H)

Genr: 0.5 kW, AC	2
Rdo set: PRC-77	32
Trk, FLFT: 6000-lb GWT RT	1

APPENDIX E

ARMY AVIATION STRUCTURE

ENLISTED MILITARY OCCUPATIONAL SPECIALTIES (MOS)

ARMY AIRCRAFT MAINTENANCE SPECIALTIES

MOS	TITLE	MOS	TITLE
67B	O-1/U-6 Airplane Repairman	67Y	AH-1G Helicopter Repairman
67C	U-1A Airplane Repairman	67Z	Aircraft Maintenance Senior Sergeant
67F	Airplane Technical Inspector	68B	Aircraft Turbine Engine Repairman
67G	U-8/U-21 Airplane Repairman	68D	Aircraft Powertrain Repairman
67H	OV-1 Airplane Repairman	68E	Aircraft Rotor and Propeller Repairman
67N	UH-1 Helicopter Repairman	68F	Aircraft Electrician
67U	CH-47 Helicopter Repairman	68G	Airframe Repairman
67V	OH-6/OH-58 Helicopter Repairman	68H	Aircraft Hydraulics Repairman
67W	Helicopter Technical Inspector		
67X	CH-54 Helicopter Repairman		

NOTE: Incentive pay is authorized aircraft maintenance personnel as nonflying and flying crewmembers when assigned as an aircraft crew chief or maintenance supervisor.

OTHER ARMY AVIATION ENLISTED MILITARY OCCUPATIONAL SPECIALTIES

MOS	TITLE	MOS	TITLE
17A	Combat Surveillance and Target Acquisition Crewman	35L	Avionics Communications Equipment Repairman
17L	Airborne Sensor Specialist	35M	Avionics Navigation Equipment Repairman
17Z	Combat Surveillance and Target Acquisition NCO	35N	Avionics Flight Control Equipment Repairman
26M	Airborne Surveillance Radar Repairman	35P	Avionics Equipment Maintenance Supervisor
35H	Calibration Specialist	35R	Avionics Radar Equipment Repairman
35J	Aircraft Fire Control Repairman		
35K	Avionics Mechanic		

MOS	TITLE	MOS	TITLE
41G	Surveillance Photographic Equipment Repairman	51M	Firefighter
41H	Photographic Equipment Repair Chief	54C	Smoke and Flame Specialist
43E	Parachute Rigger	55B	Ammunition Specialist
45J	Aircraft Armament Repairman	71P	Flight Operations Coordinator
45M	Aircraft Armament Subsystem Mechanic	76W	Petroleum Supply Specialist
45Z	Armament Maintenance Foreman	93H	Air Traffic Control (ATC) Tower Operator
		93J	ATC Radar Controller

SPECIAL QUALIFICATIONS IDENTIFIERS

F - Flying Status
O - No Special Qualifications

Y - Pathfinder
P - Airborne Qualification

OFFICER MILITARY OCCUPATIONAL SPECIALTIES (MOS)

MOS	TITLE	MOS	TITLE
71A	Avn Mat Mgt Off	*	Avn Unit Cdr
71A	Avn Mat Stf Off	*	Fixed Wing Aviator
*	Avn Off Pos	*	Rotary Wing Aviator
*w/ASI 1S	Avn Safety Off	*Appropriate specialty classification w/wo ASI.	
54B	Avn Stf Off		

WARRANT OFFICER MILITARY OCCUPATIONAL SPECIALTIES (MOS)

MOS	TITLE	MOS	TITLE
100B	Pilot, UH-1	100R	Pilot, OV-1
100C	Pilot, CH-47	100Z	Pilot, Nonstandard Aircraft
100D	Pilot, CH-54	671C	Aircraft Repair Technician, Rotary Wing Rated
100E	Pilot, AH-1G	103A	Aviation Technician
100F	Pilot, OH-6	671D	Aircraft Repair Technician, Fixed Wing Rated
100G	Pilot, OH-58	671E	Aircraft Repair Technician, Rotary and Fixed Wing Rated
100P	Pilot, U-8		
100Q	Pilot, U-21		
102A	Rotary and Fixed Wing Pilot		

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NOTE: Additional skill identifier (ASI) codes of "1" or "2", with an alphabetical suffix, which follow an officer specialty classification code or warrant officer MOS, indicate a requirement for an Army aviation-qualified officer. For additional information on military occupational specialties, see ARs 611-101, 611-112, and 611-201.

ASI	TITLE	ASI	TITLE
1R	Aerial Scout	1B	OH-23 Pilot
1J	AH-1G Pilot	1D	OH-58 Pilot
1M	AH-1Q Pilot	2K	OV-1 Pilot
1X	Aviation Related	2L	P2V Pilot
1S	Aviation Safety Officer	1V	Rotary Wing Instrument Flight Examiner
1F	CH-34 Pilot	2B	T-41 Pilot
1L	CH-37 Pilot	2F	T-42 Pilot
1G	CH-47 Pilot	2A	TO-1 Pilot
1H	CH-54 Pilot	2C	U-1 Pilot
1Q	Dual Rated (RW/FW)	2D	U-6 Pilot
1T	Dual Rated Instrument Flight Examiner (RW/FW)	2E	U-8 Pilot
1W	Fixed Wing Instrument Flight Examiner	2G	U-9 Pilot
2A	O-1 Pilot	2H	U-10 Pilot
1C	OH-6 Pilot	2J	U-21 Pilot
1A	OH-13 Pilot	1E	UH-1 Pilot
		1K	VH-3A Pilot

APPENDIX F

ARMY AIRCRAFT CHARACTERISTICS

Army airplane characteristics are shown in figure F-1 and Army helicopter characteristics in figure F-2. *Operational characteristics* for Army aircraft vary with flight conditions. Airspeeds and fuel consumptions will vary with gross weight, altitude, power setting, and aircraft. See appropriate TM 55-series -10 aircraft operator's manual for correct airspeeds and fuel consumption.

DEFINITIONS

Maximum allowable gross weight—The maximum allowed total weight of the aircraft prior to takeoff: the "basic weight" of the aircraft plus the crew, personnel equipment, special devices, passengers/cargo, and usable fuel and oil. This is limited by structure, power available, or landing load.

Basic weight—The empty weight of an aircraft is its basic configuration. It includes trapped and unusable fuel and oil and all fixed equipment, to which it is only necessary to add crew, fuel, oil, cargo, and ammunition (if carried) to determine gross weight for the aircraft.

Useful load—The load-carrying capability of an aircraft. It includes the payload, crew, and usable fuel and oil required for the mission. (The *payload* is the useful load excluding the crew and fuel and oil required for the mission.) The useful load is the difference between "maximum allowable gross weight" and the "basic weight."

Normal cruising speed—The true airspeed which an aircraft can normally be expected to maintain at some standard power setting below rated military power. (This speed will vary with altitude.)

Endurance at cruising speed—The time that an aircraft can remain airborne at normal cruising speed with fuel aboard without using the required fuel reserve.

US ARMY AIRCRAFT FUEL IDENTIFICATION

JP-4—JP-4 is clear.

Aviation gasoline—AVGAS identification colors and performance numbers are:

RED - 80/87

BLUE - 91/96

GREEN - 100/130

PURPLE - 115/145

AIRPLANE CHARACTERISTICS

	Unit	OV-1D Observation <i>Mohawk</i>	U-8F Utility <i>Seminole</i>	U-21A Utility <i>Ute</i>	C-12A <i>A 200</i>
A. CREW (200 lb Ea)		2	1	2	2
B. DIMENSIONS:					
(1) Length-fuselage	Ft/In	41'1½"	31'6½"	35'6"	43'10"
(2) Width-tread	Ft/In	9'2"	12'9"	12'9"	17'2"
(3) Height-extreme	Ft/In	12'8"	11'6½"	14'2½"	15'5"
(4) Wingspan	Ft/In	48'0"	45'3½"	45'10½"	54'6"
C. CARGO DOOR					
(1) Dimensions - width/height	In	NA	26.5/26.75	53.5/51.5	26.7/51.5
D. CARGO COMPARTMENT					
(1) Height of floor above ground	In	NA	48	Approx 54	53
(2) Length, usable	In	NA	86	150	128
(3) Width, floor	In	NA	54	55	54
(4) Height (clear of obstructions)	In	NA	53	57	57
(5) Cargo space, optimum	Ft ³ /	NA	115	272	253
E. EXTERNAL CARGO²/ Maximum recommended external load	Lb	4,000	NA	NA	NA

Figure F-1. Airplane Characteristics.

AIRPLANE CHARACTERISTICS (Cont)

	Unit	OV-1D Observation <i>Mohawk</i>	U-8F Utility <i>Seminole</i>	U-21A Utility <i>Ute</i>	C-12A <i>A 200</i>
F. PASSENGER CAPACITY					
(1) Troop seats (240 lb per man)	Ea	0	5	6	10
(2) Litters	Ea	NA	NA	7	NA
G. OPERATIONAL CHARACTERISTICS^{2/}					
(1) Maximum allowable gross weight	Lb	15,302	7,300	9,650	12,585
(2) Basic weight ^{1/}	Lb	10,379	4,978	5,500	10,400
(3) Useful load	Lb	4,923	2,322	4,100	2,100
(4) Internal fuel capacity	Lb/Gal	1,930/297	1,380/230	2,405/370	2,470/386
(5) Normal cruising speed ^{3/}	Kts	200	155	164	1 ^{3/}
(6) Endurance at cruising speed ^{3/}	Hrs + Min	1 + 15	6 + 0	4 + 30	^{3/}
(7) Grade of fuel	Oct	JP-4	115/145	JP-4/5	JP-4/5
(8) Fuel consumption per hour ^{3/}	Lb/Gal	1,105/170	204/34	500/83	^{3/}

FOOTNOTES: ^{1/} Basic weight for standard aircraft (fuel and components not included).

^{2/} Detail weight computations and characteristics taken from FM 101-20-1 or from appropriate aircraft operator's manuals (TM 55-series -10).

^{3/} Refer to appropriate aircraft operator's manuals to determine normal cruising speed, endurance, and fuel consumption.

Figure F-1. Airplane Characteristics (Cont).

HELICOPTER CHARACTERISTICS

		OH-6A Observation	OH-58A Observation	AH-1G Attack ^{6/}	AH-1Q Attack ^{6/}	AH-1S Attack
	Unit	<i>Cayuse</i>	<i>Kiowa</i>	<i>Cobra</i>	<i>Cobra</i>	<i>Cobra</i>
A. CREW (200 lb ea)		2	2	2	2	2
B. DIMENSIONS:						
(1) Length - fuselage	Ft/In	23'6"	32'3½"	44'5¼"	44'9"	44'9"
(2) Length - blades unfolded	Ft/In	30'3¾"	40'11¼"	52'11¼"	52'11"	53'0"
(3) Length - blades folded	Ft/In	23'0"	32'3½"	NA	NA	NA
(4) Width - blades folded	Ft/In	NA	NA	NA	NA	NA
(5) Width - tread	Ft/In	6'9¼"	6'3½"	7'4"	7'4"	7'4"
(6) Height - extreme	Ft/In	8'6"	9'6½"	11'7"	11'7"	11'7"
(7) Diameter - main motor	Ft/In	26'4"	35'4"	44'0"	44'0"	44'0"
(8) Diameter - tail rotor	Ft/In	4'3"	2'3¼"	8'6"	8'6"	8'6"
C. CARGO DOOR^{3/}						
(1) Dimensions - width/height	In	NA	NA	NA	NA	NA
(2) Location - side of fuselage	In	NA	NA	NA	NA	NA
D. CARGO COMPARTMENT^{3/}						
(1) Height of floor above ground	In	NA	NA	NA	NA	NA
(2) Length, usable	In	NA	NA	NA	NA	NA
(3) Width, floor	In	NA	NA	NA	NA	NA
(4) Height (clear of obstructions)	In	NA	NA	NA	NA	NA
(5) Cargo space - optimum	Ft ^{3/}	NA	NA	NA	NA	NA
E. EXTERNAL CARGO^{4/}						
(1) Maximum recommended external load	Lb	NA	NA	NA	NA	NA

Figure F-2. Helicopter Characteristics.

HELICOPTER CHARACTERISTICS (Cont)

		OH-6A Observation	OH-58A Observation	AH-1G Attack	AH-1Q Attack	AH-1S Attack
	Unit	<i>Cayuse</i>	<i>Kiowa</i>	<i>Cobra</i>	<i>Cobra</i>	<i>Cobra</i>
(2) Rescue hoist capacity	Lb	NA	NA	NA	NA	NA
(3) Winch capacity	Lb	NA	NA	NA	NA	NA
F. PASSENGER CAPACITY^{3/}						
(1) Troop seats (240 lbs per man)	Ea	2	2	0	0	0
(2) Litters	Ea	0	0	0	0	0
G. OPERATIONAL CHARACTERISTICS^{4/ 5/}						
(1) Maximum allowable gross weight	Lb	2,400	3,000	9,500	9,500	10,000
(2) Basic weight ^{1/}	Lb	1,163	1,700	5,635	5,635	6,900
(3) Useful load	Lb	1,237	1,300	3,865	3,865	3,100
(4) Internal fuel capacity	Lb/Gal	400/61.5	475/73	1,605/247	1703/262	1703/262
(5) Normal cruising speed ^{5/}	Kts	<u>5/</u>	<u>5/</u>	<u>5/</u>	<u>5/</u>	<u>5/</u>
(6) Endurance at cruising speed ^{5/}	Hrs + Min	<u>5/</u>	<u>5/</u>	<u>5/</u>	<u>5/</u>	<u>5/</u>
(7) Grade of fuel	Oct	JP-4/5	JP-4	JP-4	JP-4/5	JP-4/5
(8) Fuel consumption per hour ^{5/}	Lb/Gal	<u>5/</u>	<u>5/</u>	<u>5/</u>	<u>5/</u>	<u>5/</u>
		UH-1H Utility	CH-47B Cargo	CH-47C Cargo	CH-54A Cargo	CH-54B Cargo
	Unit	<i>Iroquois</i>	<i>Chinook</i>	<i>Chinook</i>	<i>Tarhe</i>	<i>Tarhe</i>
A. CREW (200 lb ea)		1 ^{2/}	3	3	3	3
B. DIMENSIONS:						
(1) Length - fuselage	Ft/In	41'11 1/4"	51'0"	51'0"	70'3"	70'3"
(2) Length - blades unfolded	Ft/In	57'1"	98'11"	99'0"	88'5"	88'5"

Figure F-2. Helicopter Characteristics (Cont).

HELICOPTER CHARACTERISTICS (Cont)

		UH-1H Utility	CH-47B Cargo	CH-47C Cargo	CH-54A Cargo	CH-54B Cargo
	Unit	<i>Iroquois</i>	<i>Chinook</i>	<i>Chinook</i>	<i>Tarhe</i>	<i>Tarhe</i>
(3) Length - blades folded	Ft/In	NA	51'0"	51'0"	77'6"	77'6"
(4) Width - blades folded	Ft/In	NA	12'5"	12'5"	21'10"	21'10"
(5) Width - tread	Ft/In	8'6½"	10'6"	10'6"	19'9"	19'9"
(6) Height - extreme	Ft/In	14'5½"	18'7"	18'7"	25'5"	25'5"
(7) Diameter - main motor	Ft/In	48'0"	60'0"	60'0"	72'0"	72'2"
(8) Diameter - tail rotor	Ft/In	8'6"	52'0"	52'0"	16'0"	16'0"
C. CARGO DOOR^{3/}						
(1) Dimensions - width/height	In	74.5/48	90/78	90/78	Pod - 114/92	Pod - 114/92
(2) Location - side of fuselage	In	Both	Rear	Rear	Pod - Rear	Pod - Rear
D. CARGO COMPARTMENT^{3//}						
(1) Height of floor above ground	In	32	30	30	Pod - 18	Pod - 18
(2) Length, usable	In	92	362½	362½	Pod - 329	Pod - 329
(3) Width, floor	In	96	90	90	Pod - 104	Pod - 104
(4) Height (clear of obstructions)	In	49	78	78	Pod - 78	Pod - 78
(5) Cargo space - optimum	Ft ^{3/}	220	1,487	1,487	Pod - 1,599	Pod - 1,599
E. EXTERNAL CARGO^{4/}						
(1) Maximum recommended external load	Lb	4,000	20,000	20,000	20,000	25,000
(2) Rescue hoist capacity	Lb	600	600	600	NA	NA
(3) Winch capacity	Lb	NA	3,000	3,000	15,000	25,000

Figure F-2. Helicopter Characteristics (Cont).

HELICOPTER CHARACTERISTICS (Cont)

		UH-1H Utility	CH-47B Cargo	CH-47C Cargo	CH-54A Cargo	CH-54B Cargo
	Unit	<i>Iroquois</i>	<i>Chinook</i>	<i>Chinook</i>	<i>Tarhe</i>	<i>Tarhe</i>
F. PASSENGER CAPACITY^{3/}						
(1) Troop seats (240 lbs per man)	Ea	11	33	33	Pod - 45	Pod - 45
(2) Litters	Ea	6	24	24	Pod - 24	Pod - 24
G. OPERATIONAL CHARACTERISTICS^{4/,5/}						
(1) Maximum allowable gross weight	Lb	9,500	40,000	46,000	42,000	47,000
(2) Basic weight ^{1/}	Lb	4,900 ^{1/}	19,194	19,772	20,650	21,000
(3) Useful load	Lb	4,100	20,806	26,228	21,350	26,000
(4) Internal fuel capacity	Lb/Gal	1,450/224	4,036/621	7,353/1,131	8,800/1,353	8,775/1,350
(5) Normal cruising speed ^{5/}	Kts	<u>5/</u>	<u>5/</u>	<u>5/</u>	<u>5/</u>	<u>5/</u>
(6) Endurance at cruising speed ^{5/}	Hrs + Min	<u>5/</u>	<u>5/</u>	<u>5/</u>	<u>5/</u>	<u>5/</u>
(7) Grade of fuel	Oct	JP-4/5	JP-4	JP-4	JP-4	JP-4
(8) Fuel consumption per hour ^{5/}	Lb/Gal	<u>5/</u>	<u>5/</u>	<u>5/</u>	<u>5/</u>	<u>5/</u>

FOOTNOTES: 1/ Basic weight for standard aircraft (fuel, weapons systems, and components not included).

2/ Crew requirements may vary with mission and/or environment.

3/ Pod for CH-54A and CH-54B.

4/ Detail weight computations and characteristics taken from FM 101-20-1 or from appropriate aircraft operator's manuals (TM 55-series -10).

5/ Refer to appropriate aircraft operator's manuals to determine normal cruising speed, endurance, and fuel consumption rates. Data is not provided because it is dependent on density altitude, altitude and temperature.

6/ AH-1G/Q model aircraft are programed for AH-1S conversion in the early 1980's.

Figure F-2. Helicopter Characteristics (Cont).

APPENDIX G

AVIATION REQUIREMENTS FOR THE COMBAT STRUCTURE OF THE ARMY III (ARCSA III)

PURPOSE

In short, the purpose of the ARCSA III Study was to determine the aviation requirements (how many aircraft, what type aircraft, how many aviation personnel, and where all these are found in the Army structure) for the entire Army for the immediate timeframe (1977) and for 10 years into the future (1987). You may wonder, "Well, what is wrong with present aviation structure?"

To answer this, there are a number of reasons why the Army aviation organization for combat needed an overhaul. For starters, the current organization does not adequately consider the intense air defense environment envisioned as the threat. Rather, the current structure was developed by ARCSA II in 1967 and modified by an aviation baseline study in 1972. Both oriented heavily on the low intensity environment of Southeast Asia. Additionally, new progressive organizational ideas, such as the United States Army, Europe (USAREUR) Aviation Reorganization, the Division Restructuring Study, and the FORSCOM "QUICK FIX"—noteworthy attempts to obtain the maximum antiarmor capability from existing aircraft—merited evaluation for application Army-wide. Most obvious, but not necessarily most important, is that the current aviation organization does not adequately integrate new technology such as the advent of the Cobra TOW and the new family of aircraft entering the inventory in the next few years. These are just a few of the pressing developments that made reevaluation of the aviation organization necessary.

The basic Army force considered in ARCSA III is shown in figure G-1. Essentially, it consists of 7 corps, 24 divisions, 27 separate brigades, 1 air cavalry combat brigade, and 6 armored cavalry regiments (ACR). Based on this framework, ARCSA III undertook the task of providing the blueprint for how Army aviation is to fit into these organizations. A primary goal was to reduce the number of "separate" units and locate all units in a division or corps structure. Units fight with division and corps; therefore, they should belong primarily to division or corps.

FORCE STRUCTURE

Divisions (Active)	Reserve Component (RC)	Total	
1 Airborne		Light Divisions	10
1 Airmobile (Air Assault)		Heavy Divisions	14
3 Infantry	5 Infantry		24
4 Armored	2 Armored		
7 Mechanized	1 Mechanized		
3 Armored Cavalry Regiment	3 Armored Cavalry Regiment	Armored Cavalry Regiments	6
1 ACCB		ACCB	1
Separate Brigades (Active)	Reserve Component	Total	
1 Berlin	1 Airborne	Light Brigades	15
1 Armored	4 Armored	Heavy Brigades	12
3 Infantry	10 Infantry		27
	7 Mechanized		
Corps (Active)	Reserve	Total	
6 (5 structured)	1		7

*Figure G-1. Force Structure.***AIRCRAFT AND ISSUES**

ARCSA III considered all the aircraft in the Army aviation inventory as well as the new advanced attack helicopter (AAH), the utility tactical transport systems (UTTAS), the advanced scout helicopter (ASH), and the modernized CH-47 (CH-47D). Additionally, specific issues were evaluated. At division level, pooling of assets was examined and recommended. The reorganization of aviation assets in the division into a combat aviation battalion similar to that already tested in Europe was also recommended. At echelons above the division, pooling of numerous small separate TOE units was studied and reorganization of the aviation units in the corps into either a combat aviation group or battalion was recommended. Organizations operating under a TDA were examined to reduce the number of aircraft used in other than combat roles. Detailed discussion of primary aircraft and issues follows.

ATTACK HELICOPTER

Since ARCSA III was not a zero-based study, the ongoing reorganizations in TRADOC, FORSCOM, and USAREUR and the existing procurement schedules for attack helicopters were of significance.

In Europe, the aviation reorganization was already extracting the attack helicopters from the assault helicopter companies and deleting the air cavalry troops (ACT) in order to make more attack helicopters available for antiarmor missions in attack helicopter companies (AHC). Phase I of the reorganization made plans for two AHCs in each division, and one AHC in each ACR. Phase II placed an attack helicopter battalion in each corps. This aviation reorganization plan played an important part in influencing the recommendations of ARCSA III.

In FORSCOM, reorganization within the 101st Air Assault Division created an attack helicopter battalion from attack helicopter assets in its two 12-gun attack helicopter companies and the 36 attack helicopters in the aerial field artillery battalion. Also, efforts in the 82d Airborne Division were underway to increase the antiarmor capability by converting all attack helicopters to missile firing aircraft.

This overriding desire to increase the aerial antiarmor capability in the divisions was included in ARCSA III. ARCSA III recommended all attack helicopters be located in AHCs and ACTs. Therefore, attack helicopters were removed from all the assault helicopter companies. As a result of these decisions, ARCSA III developed the following structuring rules for attack helicopter companies:

ATTACK HELICOPTER COMPANIES
(Figs 8-1, G-2—G-6)

6 per ACCB (2 bns) 3 per USAREUR corps

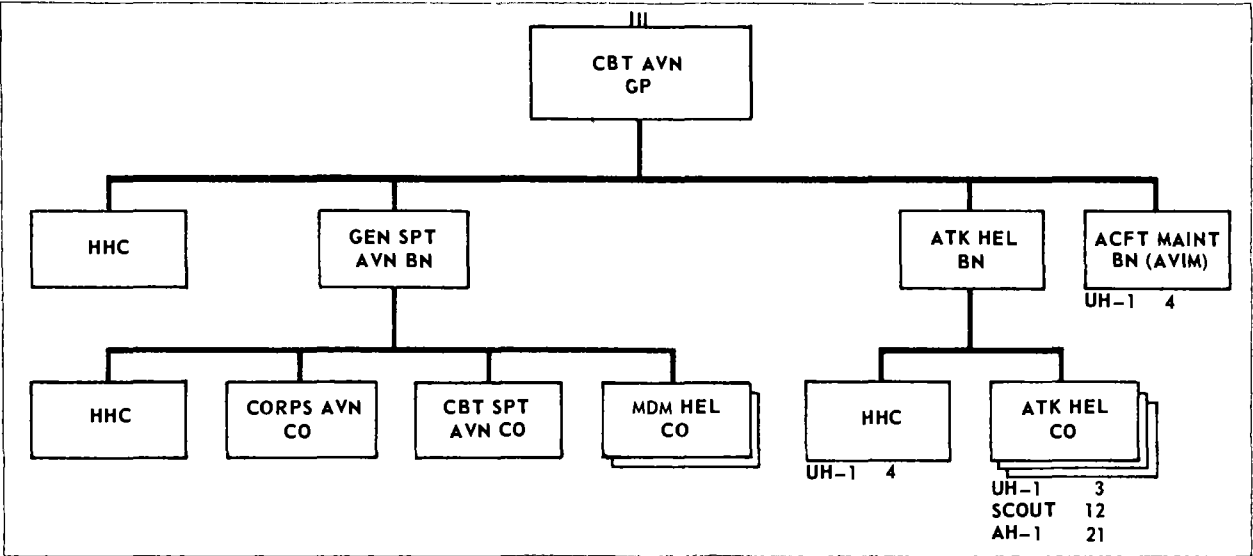


Figure G-2. Combat Aviation Group Structure.

1 per inf/abn div

2 per armd/mech div (CONUS)

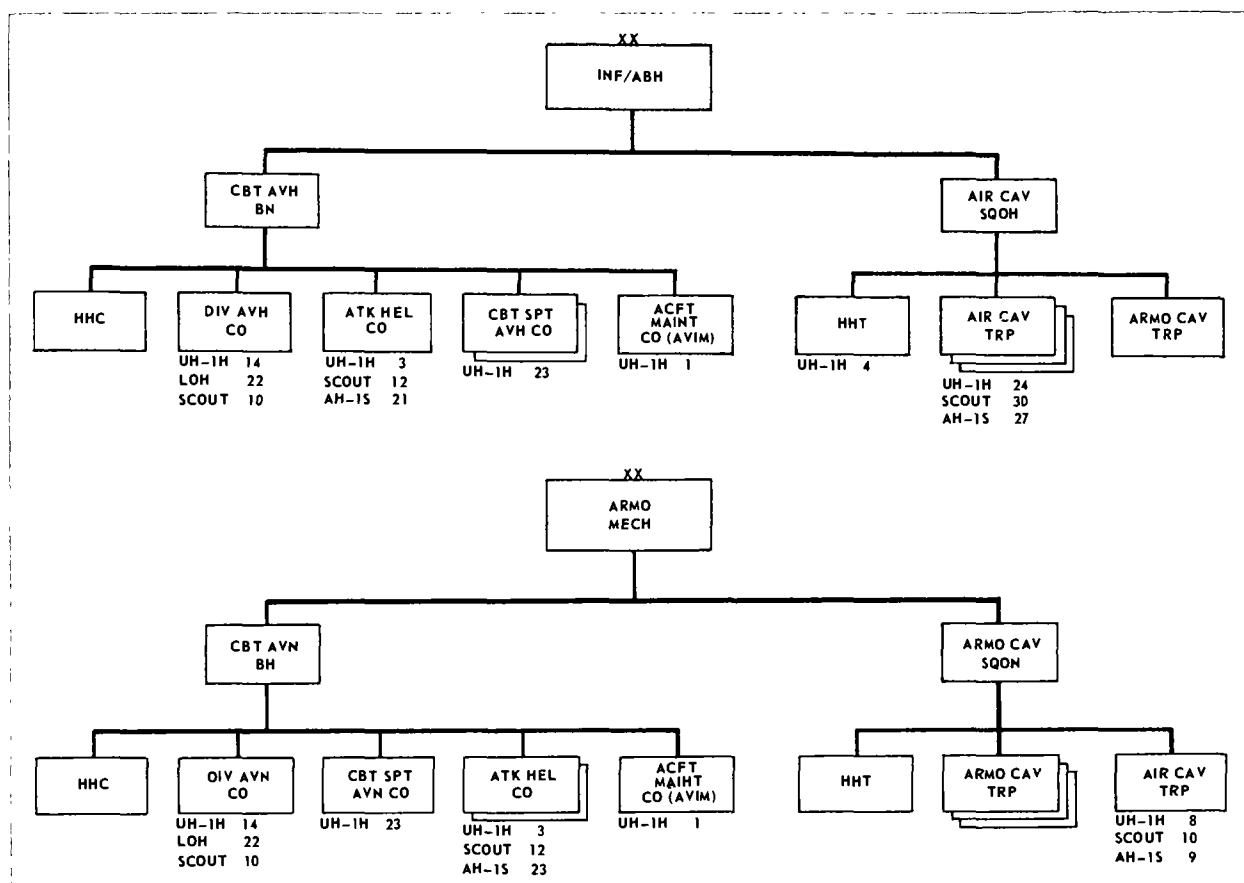


Figure G-3. Infantry/Airborne Division Armored/Mechanized Division Structure.

3 per ambl (air aslt) div (1 bn)

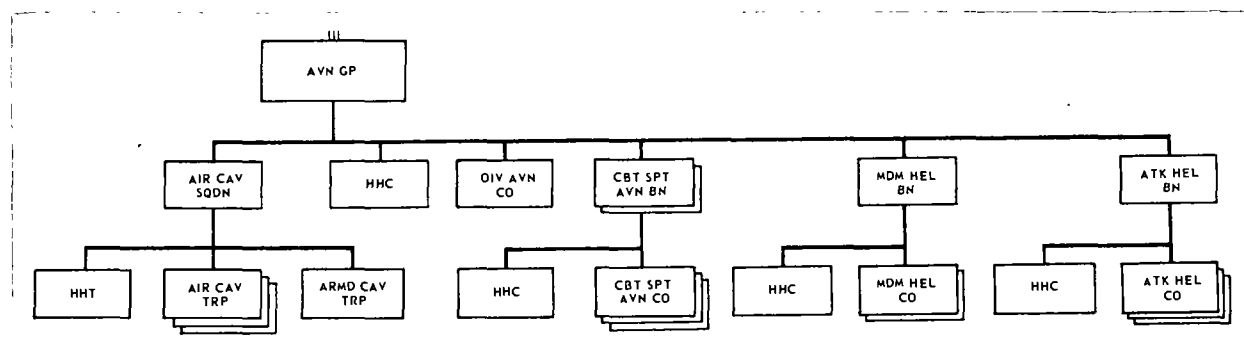


Figure G-4. Airmobile (Air Assault) Division Structure.

1 per armd cav regt

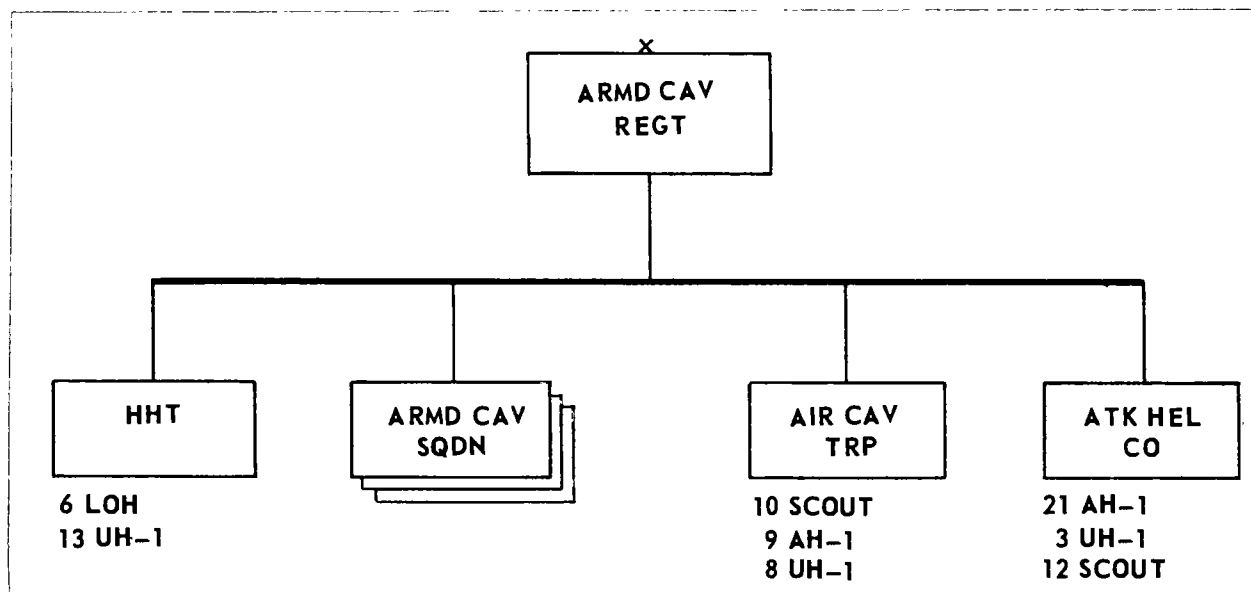


Figure G-5. Armored Cavalry Regiment (CONUS).

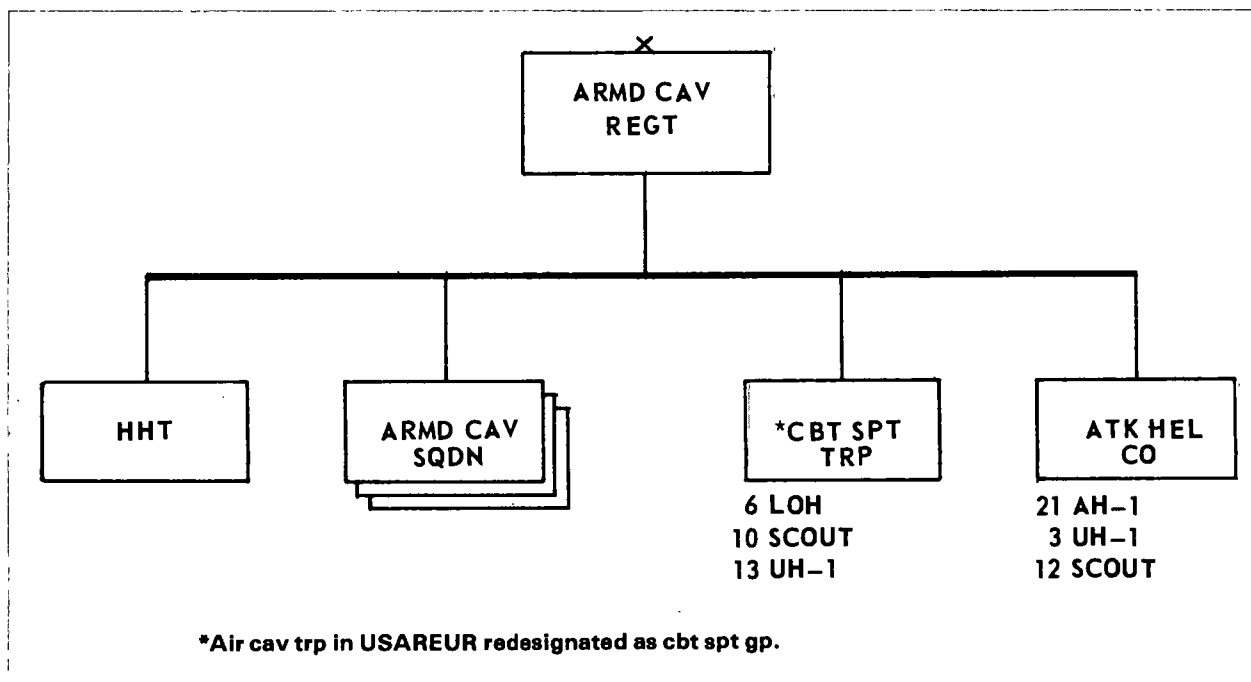


Figure G-6. Armored Cavalry Regiment (USAREUR).

Recognizing that the air cavalry is important to all the divisions, ARCSA III recommended that the ACTs be restored to the USAREUR divisions and ACRs whenever assets become available. The following structuring rules were developed for air cavalry troops:

AIR CAVALRY TROOPS

(Figs 8-1, G-3—G-6)

3 per inf/abn/ambl (air aslt) div (Active)
(1 sqdn)
1 per armd/mech div

1 per inf div (RC) (not depicted)
1 per armd cav regt
3 per ACCB (1 sqdn)

In order to equip these AHCs and ACTs, ARCSA III proposed conversion of all AH-1G/Q helicopters to AH-1S. These can be equipped with either the TOW weapon system or used in the overwatch role using the 2.75-inch FFAR and a 20-millimeter interim turret. Also, integration of the advanced attack helicopter will be made using a schedule to maintain an overseas and CONUS AAH balance for rotation, stationing, and training purposes. When AH-1S conversions and AAH procurements are complete, enough assets will be available to equip both the Active and Reserve Component AHCs and ACTs with preferred aircraft assets.

SCOUT

The very nature and mission of scout aircraft necessarily associate them with AHCs and ACTs. ARCSA III considered the OH-58C (product-improved OH-58) and the advanced scout helicopter. The ASH program was delayed for 2 years in order to take advantage of increased technology in the aircraft.

UTILITY

Utility aircraft considered include the UH-1H and UTTAS. Reevaluation of the ongoing UTTAS procurement plans showed them to be valid in light of the other aviation reorganizations. ARCSA III increased the logistical role of the UTTAS by assigning UTTAS-equipped units with a resupply mission to the heavy divisions, as well as assigning them to light divisions with a combat assault mission. The name of the assault helicopter company has been changed to "Combat Support Aviation Company" (CSAC) to better incorporate the tone of both missions. ARCSA III found that a number of logistical resupply missions can be better performed by the UTTAS than by a heavier, larger helicopter such as the CH-47. In order to provide each division with an integrated logistics and resupply capability, the following structuring rules for the new Combat Support Aviation Company were developed.

COMBAT SUPPORT AVIATION COMPANIES

(Figs G-2—G-4, G-7)

1 per corps
2 per inf/abn div

1 per armd/mech div
6 per ambl (air aslt) div

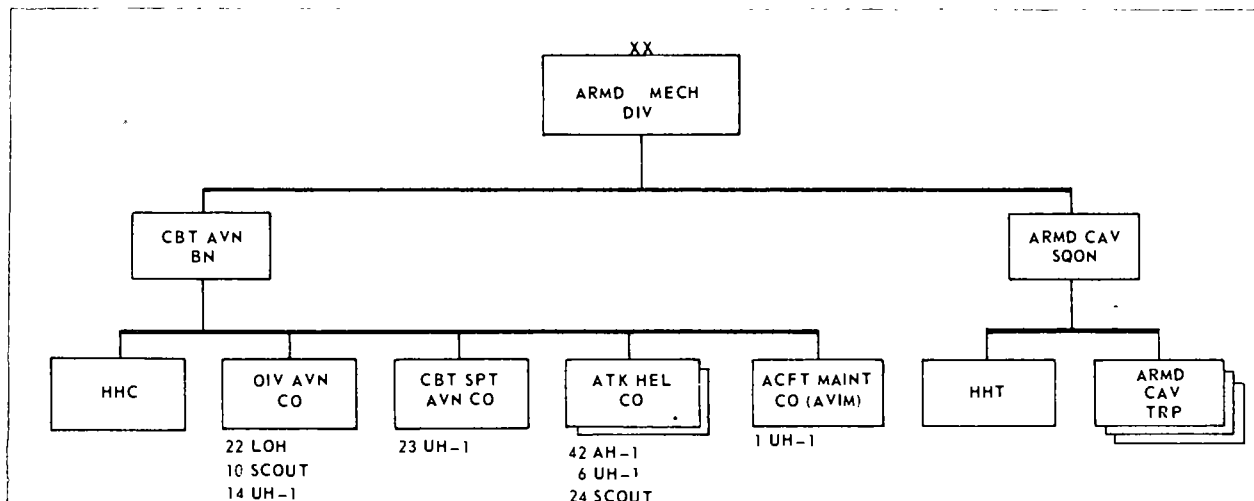


Figure G-7. USAREUR Division.

CSACs in the armored/mechanized division will have a primary mission of logistical support, while CSACs assigned to the infantry/airborne divisions will have a primary mission of combat assault. UTTAS aircraft are also scheduled for air cavalry troops and helicopter ambulance companies and detachments in the Active Force.

CARGO

Current programs provide for modernization of the CH-47 aircraft fleet and designation as the "CH-47D". ARCSA III concurred with the ongoing programs and recommended that the preponderance of the CH-47 fleet be in the Active Force in order to be deployed rapidly to forward areas. Consequently, ARCSA III recommended moving three CH-54 companies from the Active Force to the Reserve Components in exchange for moving three CH-47 units to the Active Force. Additional CH-47 companies have been slated for USAREUR to increase logistics capability there.

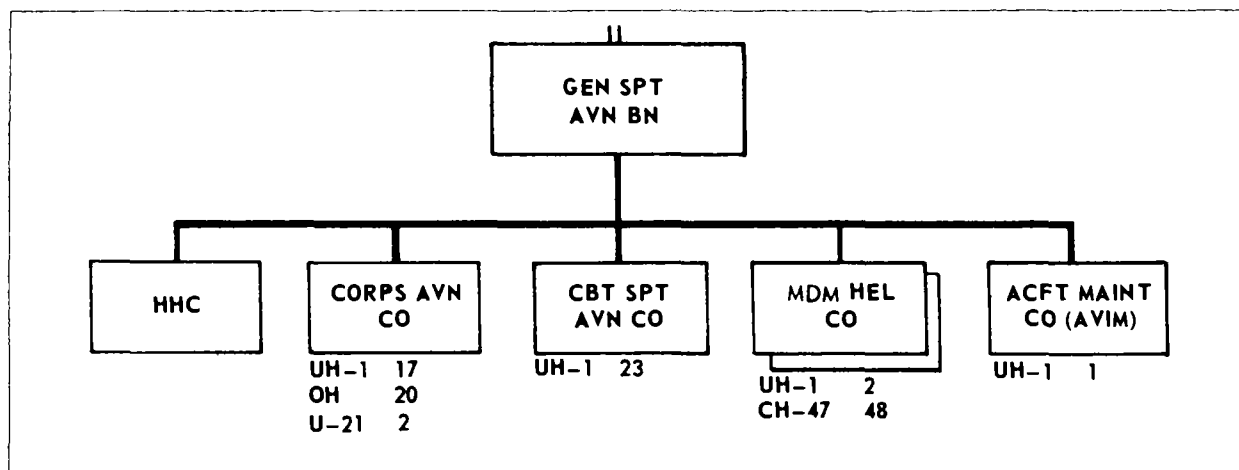
Both the CH-47D and CH-54 are considered to possess a medium-lift capability; however, the CH-47 will be located in a "Medium Helicopter Company" (MHC)—the new designation for the old "Assault Support Helicopter Company," and the CH-54 will be in the heavy helicopter company. Structuring rules for MHC are shown below:

MEDIUM HELICOPTER COMPANIES

(Figs 8-1, G-2, G-4, G-8)

2 per corps
2 per ambl (air aslt) div

1 per ACCB

*Figure G-8. CONUS Corps.*

Medium helicopter companies have been increased in size from 16 to 24 CH-47 helicopters. This increase in aircraft provides the MHC the capability to modularize the company into three eight-aircraft platoons to provide support to separate units or task forces when necessary, while simultaneously increasing the aircraft availability within the company. Heavy helicopter companies are to be assigned to Army Component Command on a specific mission or need basis.

OTHER AIRCRAFT

ARCSA III also considered the military intelligence aircraft (OV-1 B, C, and D) and the electronic warfare aircraft (RV-1, RU-21, and EH-1). The study showed that the ongoing studies concerning these aircraft are generally reasonable and in accordance with the Intelligence Organization and Stationing Study (IOSS). No changes in the current organization or procurement quantities were recommended by ARCSA III.

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Other aviation unit organizations studied by ARCSA III are shown below with their respective structuring rule:

DIVISION AVIATION COMPANY (Figs G-3, G-4, G-7)

1 per div

COMBAT AVIATION GROUP (Figs G-2, G-4)

1 per USAREUR corps
1 per Eighth US Army
1 per (ambl) air aslt div

CORPS AVIATION COMPANY (Figs G-2, G-8)

1 per corps

COMBAT AVIATION BATTALION (Figs G-3, G-7)

1 per div (except ambl (air aslt) div)

GENERAL SUPPORT AVIATION BATTALION (Figs G-2, G-8)

1 per corps
1 per sep bde (AL/CZ)

ARMY AVIATION COMPANY (Fig 6-6)

1 per Army comp comd

An ongoing study of helicopter ambulance companies and detachments is being conducted by the Health Services Command. For this reason, ARCSA III did not make a recommendation concerning these units, pending completion of these deliberations.

OTHER ISSUES

ARCSA III reviewed and "scrubbed" all TOEs containing aircraft to reduce the number of TOEs and to economize on aircraft and personnel. Pooling of aircraft both in the division and at echelons above division was recommended. Below, figures G-9 and G-10 show the ARCSA III recommended division aviation company structure with the current divisional assets pooled.

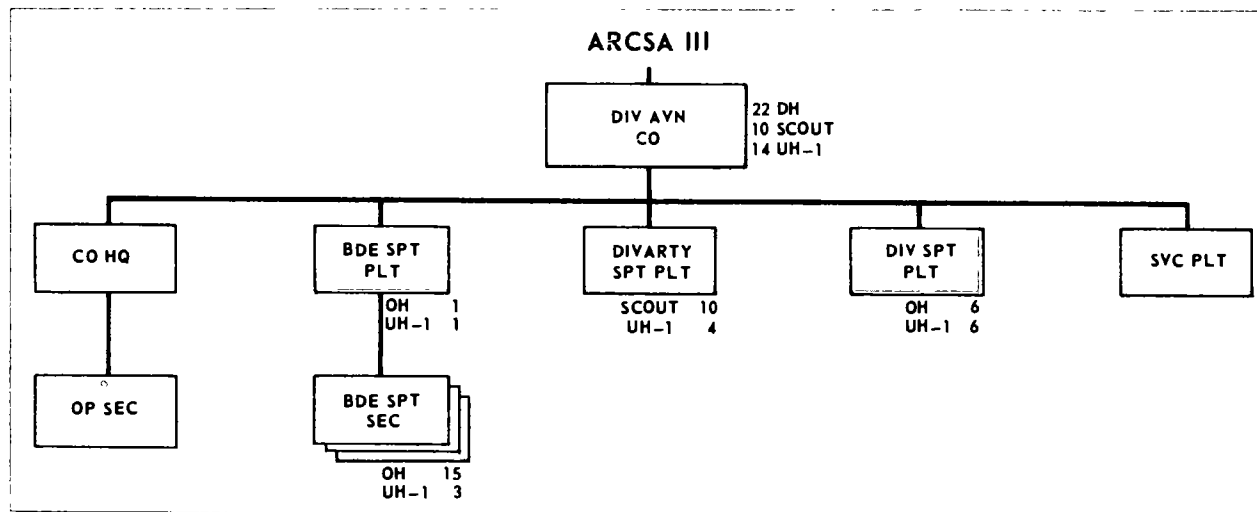


Figure G-9. Division Aviation Company Structure.

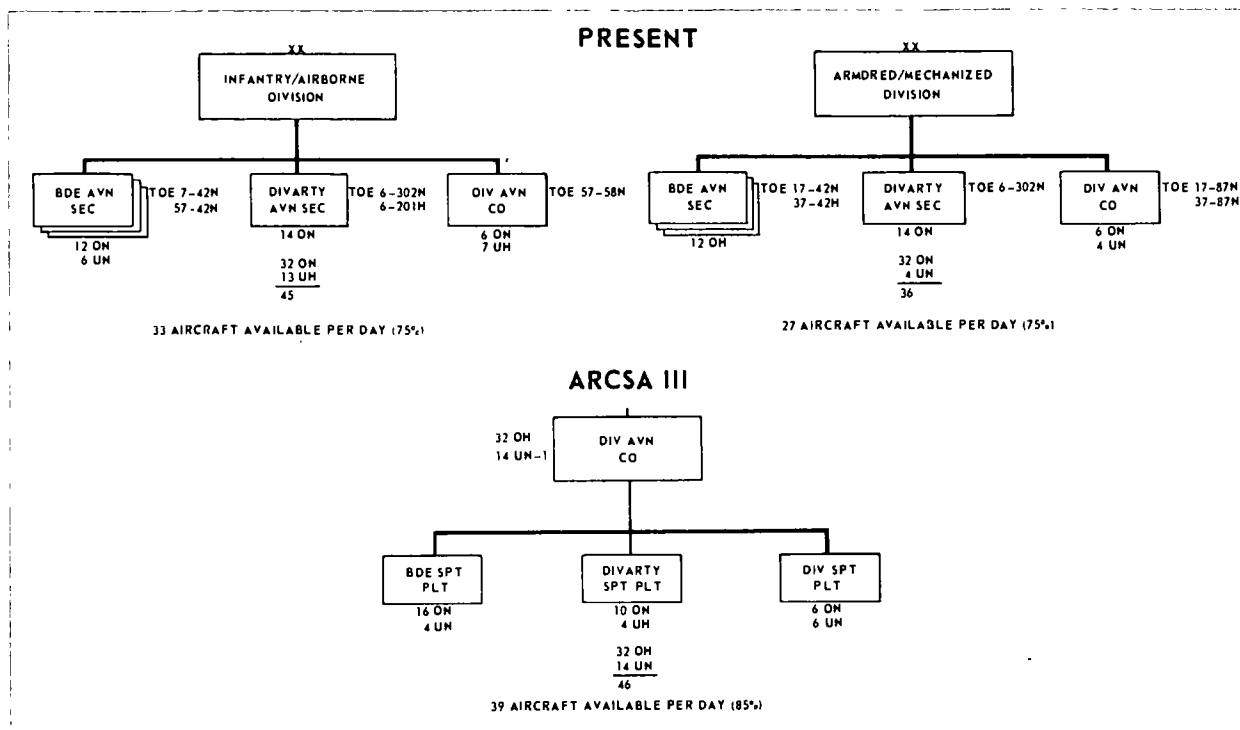


Figure G-10. Division Aviation Company Structure.

Figure G-11 shows, as an example, the reduction of TOEs at echelons above division by pooling signal corps TOEs to maximize aircraft availability and to reduce overhead.

SIGNAL UNIT CONSOLIDATION

UNIT	BOI		
	OH	UH	U-21
8 HHC Corps Sig Bn	1	5	—
1 HHC Sig Const Bn	5	—	—
1 HHC Sig CBL Bn	4	—	—
2 HHC Sig Rdo/CBL Bn	2	1	—
11 HHC Army Sig Bn	1	—	—
2 HHC Army Sig Op	2	5	2
2 HHC Army Sig Bde	—	2	1
10 HHC Sig Gp (minus abn unit)	2	1	1
	64	50	10
TOTAL: 128 AIRCRAFT			
	OH	UH	U-21
5 HHC, Corps Sig Bde:	7	5	3
TOTAL: 75 Aircraft SAVED: 51 (40%)			

Figure G-11. Signal Unit Consolidation.

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TDAs were scrutinized to reduce the number of aircraft used in roles other than combat. This resulted in a 34-percent savings in aircraft in TDA positions. Training base requirements were included in the TDA evaluation and updated to reflect the most current training requirement and the projected training requirement for the new aircraft (UTTAS, AAH, etc.) entering the inventory.

STRUCTURE IMPLEMENTATION

What does all this mean to the division and corps structures? Figure G-2 shows the armored/mechanized division structure. CONUS divisions and USAREUR divisions are to be structured alike with aviation assets consolidated in a combat aviation battalion. However, six of the seven CONUS divisions will have their second AHC located in Europe as part of the corps attack helicopter battalion. This leaves each CONUS division with an AHC for maneuver and training requirements. USAREUR divisions will not fill the ACT requirement initially. The CSAC has a primary logistics mission. Figure G-2 shows the aviation structure of the infantry/airborne. You will notice that there are two CSACs with a primary mission of combat assault and only one attack helicopter company.

The USAREUR corps organization is shown in figure G-5 and consists of a combat aviation group. Shown is the general support aviation battalion containing the aviation assets of the CONUS and other corps. It is common to all corps; however, the USAREUR corps is provided a group headquarters to accommodate the addition of an attack helicopter battalion and an aircraft maintenance battalion to provide increased maintenance support for the larger organization.

As you can visualize, ARCSA III was a massive study that changed many TOEs with aviation assets. Overall, these changes were made to enhance combat effectiveness, to standardize units, to minimize separate units and detachments, and to provide for better personnel utilization. To accommodate the new aviation force structure, ARCSA III TOE changes will have an effective date 1 September 1977 and will be implemented in three phases. Phase I requires that designated commands submit personnel and equipment recommendations of affected TOEs by 1 May 1977. Training and Doctrine Command (TRADOC) will follow through with Phase 2 by providing proposed TOE changes to Department of the Army by 1 July 1977. Phase 3 will consist of approved TOE documents published by TRADOC implementing ARCSA III by 1 September 1977.

DIVISION RESTRUCTURING

Modern armies and their increasingly sophisticated weaponry have forced the US Army to reevaluate its position on doctrine, tactics, and the employment of new equipment. The Army has taken note and has studied extensively during the last several years the scope and quality of threat forces. From this research it derived that trends are focusing on firepower, massed armor, high mobility, and deployment in huge quantity. Because trends must be dealt with realistically, prudently, and now, the Army is compelled to change the Army division organizations—not only due to the qualitative level of Soviet weapons but to better integrate a new family of weapons systems. Figure G-12 illustrates some major systems undergoing full-scale development in the Army Research and Development Program. On the whole, the Army's new hardware will not have an impact until the early-to-mid 1980's.

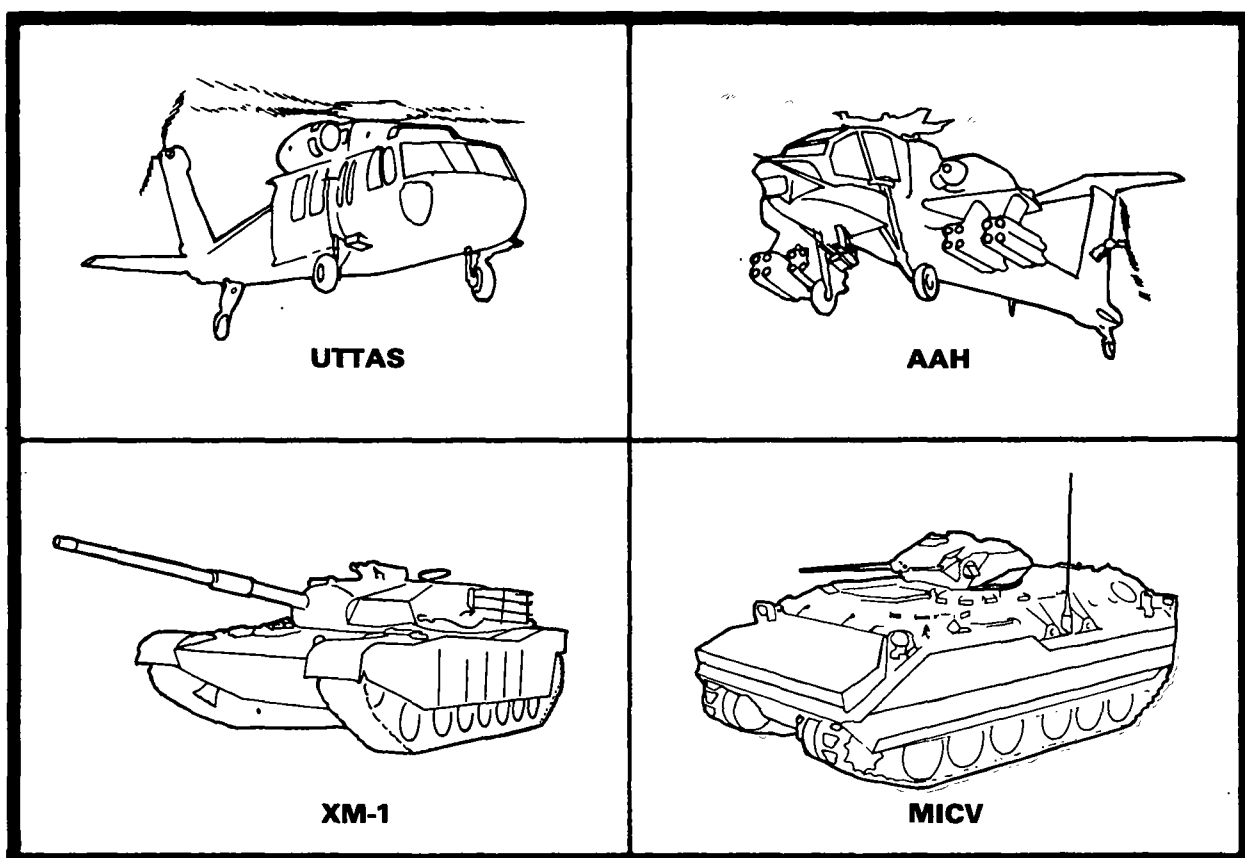


Figure G-12. Equipment Modernization.

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Pressure for reorganization also stems from many observations and doctrinal lessons learned from battles in the deserts of the Middle East—primarily during the Israeli October 1973 War. The Army recognizes firepower as a critical aspect of modern combat. To deal rationally with this potential problem, Field Manual (FM) 100-5, *Operations*, was developed to set the stage for operating differently on future battlefields than in previous conflicts.

Concept

The Division Restructuring Study (DRS) has developed a new division structure that provides an alternative for weapons potential. For purposes of the study and to provide a distinct difference to current organization, the restructured organization will be referred to as a *heavy* division. Although the force structure is after the existing *armored* and *mechanized* division design, the US Army concepts of the heavy division apply to all US Army divisions in that it will allow available forces to obtain the maximum potential from the existing and new systems entering the inventory during the 1980's.

Nonaviation Elements

There are, of course, changes being considered that do not involve aviation force structure. These proposals are not appropriately within the scope of FM 1-15, nor will they be discussed in detail for obvious reasons. Briefly, the proposed changes are—smaller, more agile maneuver units (i.e., companies and platoons) thereby increasing units per division; structure the armor and mechanized battalion to facilitate combined arms integration and cross-reinforcement at battalion level; place heavy weapons at higher organizational levels; increase the quantity of gun tubes at DIVARTY; revamp the procedures of providing supply and maintenance forward; concentrate combat engineer resources to increase division mobility and impede enemy movement; and place a chemical defense company within the combat support structure.

Aviation Elements

Each heavy division will be structured with an aviation battalion. If you recall before ARCSA III was adopted, the armored and mechanized division (figs 4-1 and 4-2) was organized with a division aviation company; air cavalry troop (armored cavalry squadron); aviation section, headquarters and headquarters company (infantry division brigade); medical battalion with no organic aviation assets; and an aviation section, headquarters and headquarters battery (DIVARTY). Under ARCSA III (fig G-3), the division aviation company was converted to a battalion-sized element. Therefore, with this conversion, all US Army divisions now possess an aviation battalion organic to their force structure. The only exception to this rule is the airmobile (air assault) division (fig 5-1) which has an aviation group.

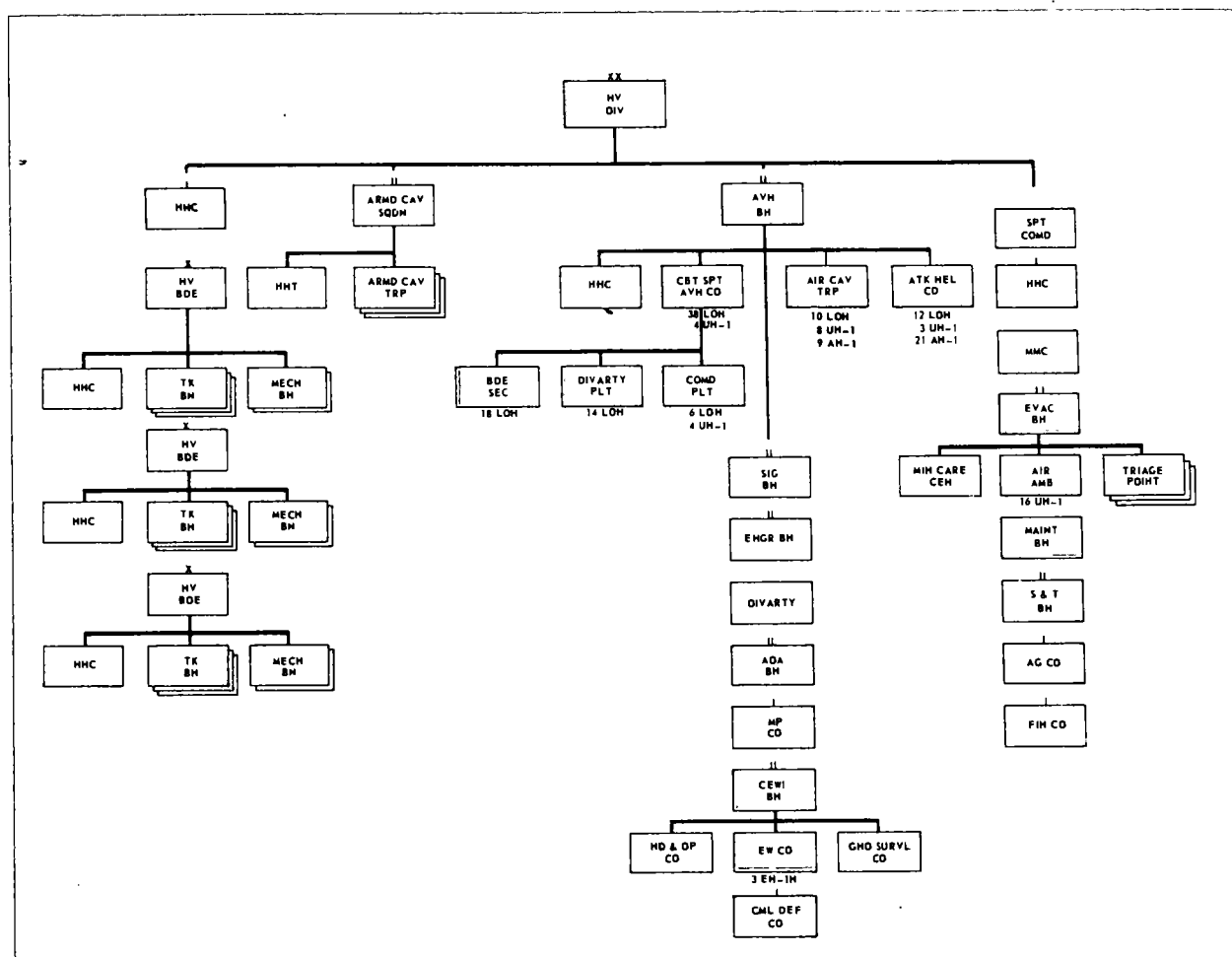


Figure G-13. Heavy Division Structure (Armor Heavy).

The heavy division organization using the current armored and mechanized design is shown in figures G-13 and G-14 and consists of an aviation battalion. The aviation battalion provides command and control for the various aviation elements of the division. The battalion can accept attachment of attack helicopter companies from corps and other divisions. Also, it can employ air cavalry troop and attack helicopter company aviation assets as determined by the division commander. A recognizable feature to distinguish the armored and mechanized divisions from one another is to compare the quantity of armored and mechanized battalions under the heavy brigades.

Attack helicopters are organic to either air cavalry troops or attack helicopter companies. As figures G-13 and G-14 depict, there is one attack company, whereas within the armored/mechanized division two companies are structured under ARCSA III (fig G-3).

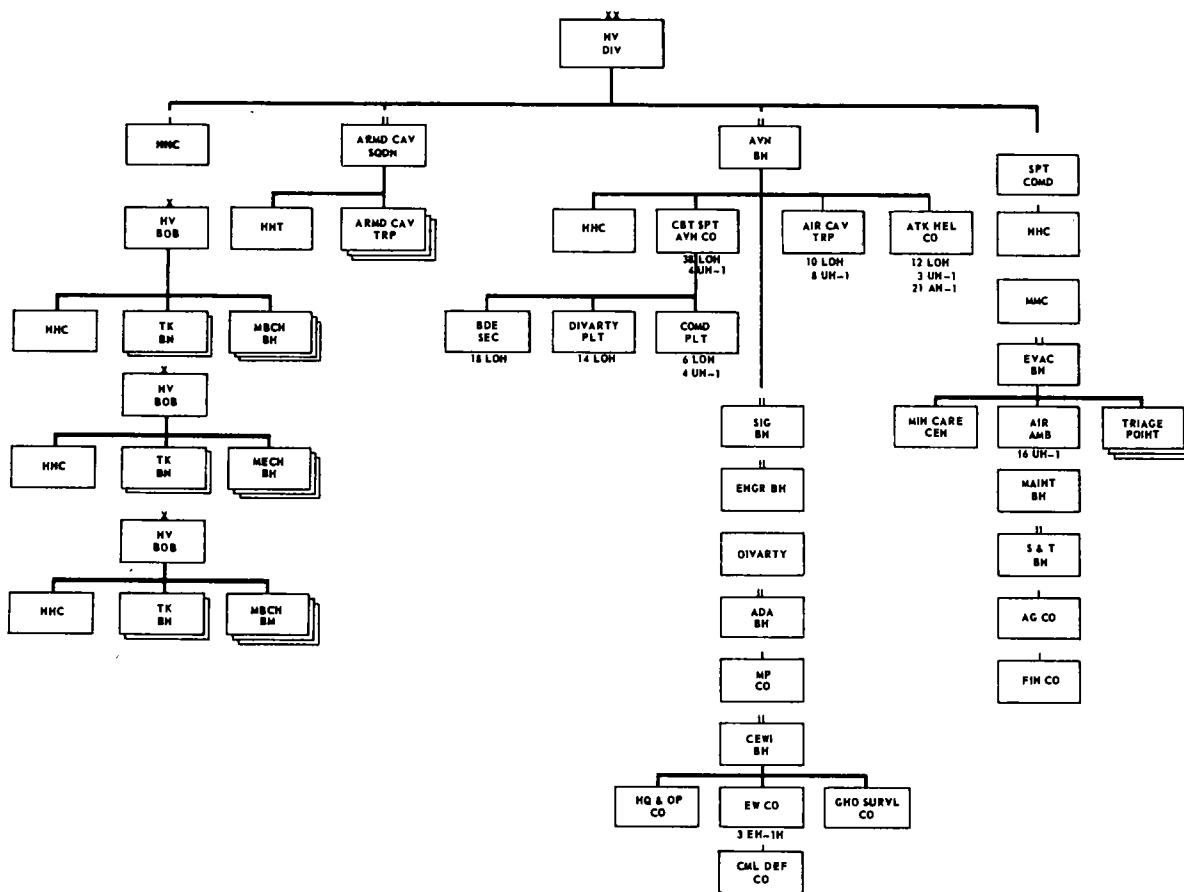


Figure G-14. Heavy Division Structure (Mech Heavy).

Attack helicopters are the division commander's highly mobile reserve and are employed for decisive actions only. The prime area of employment is within the main battle area (MBA). Attack helicopters should never be attached piecemeal to brigades or battalions on a daily basis.

While viewing the heavy division schematic, you will notice that the air cavalry troop is no longer structured with the armored cavalry squadron but under the aviation battalion. Under ARCSA III study, the air cavalry troop remains a member of the armored cavalry squadron (fig G-4). In this instance, aircraft densities and types remain constant regardless of where the troop appears. The air cavalry troop is employed on reconnaissance and screening missions. It may be attached to the division cavalry squadron when ground reconnaissance, surveillance, and screening are required. The air cavalry troop generally operates in the covering force area, in the thinned-out sector of the MBA, or in locating and fixing enemy elements that have bypassed or broken through friendly lines. If necessary, the troop can be employed at the decisive point in an antitank or air defense suppression role.

Under DRS, the general support aviation company pools the aviation assets of the maneuver brigades, DIVARTY, and division support platoon. Under the ARCSA III study (figs G-3, G-10) this was the responsibility of the division aviation company.

Aside from the structural changes to the aviation battalion, a combat electronic warfare intelligence (CEWI) battalion was established and further increases the division commander's combat support capability. As the heavy division depicts (figs G-13 and G-14), the CEWI battalion is comprised of a headquarters and operations, electronic warfare, and ground surveillance company. To form the battalion, the personnel and equipment assets were taken from two areas (i.e., the combat intelligence company (TOE 30-19H) under combat service support and the Army security agency (ASA) division support company (TOE 32-57H)). The aviation assets unique to the CEWI battalion were organic to the ASA direct support company.

To ascertain whether the rationale for restructuring the aviation battalion force structure is valid from the perspective of modern combat and the air environment characteristic of the modern battlefield, the following critical factors will be evaluated through tests and analysis:

- Will the aviation battalion allow the division commander better control of organic and attached combat aviation units?
- Will the air cavalry troop be more efficiently utilized as a divisional unit than as a part of the cavalry squadron?
- Will the attack helicopter company have a more decisive effect when employed in mass than when being routinely attached to subordinate brigades?

APPENDIX H

AVIATION UNIT TABLES OF ORGANIZATION AND EQUIPMENT (TOE)

The tables of organization and equipment (TOEs) contained in this appendix are current as of June 1976. Each of these TOEs contains or directly controls US Army aircraft and each is vital to the effective utilization of Army aviation assets.

The TOEs shown here are the H-series; however, you may encounter modifications to these TOEs designed to meet the needs of a particular unit or situation. TOEs are constantly changing to conform to new tactics or methods of employment; therefore, we recommend that this list be cross-referenced with DA Pam 310-3 to insure continued currency.

Page numbers referenced below reflect wire schematics or discussion of TOE units.

INFANTRY DIVISION (TOE 7H)

TOE NO.	TITLE	PAGE
7-042H	Headquarters and Headquarters Company, Infantry Division Brigade	16
6-302H	Headquarters and Headquarters Battery, Division Artillery, AIM Division	20
57-055H	Combat Aviation Battalion	23
57-056H	Headquarters and Headquarters Company	26
57-057H	Assault Helicopter Company	32
57-058H	Aviation General Support Company	38
17-205H	Air Cavalry Squadron	42
17-206H	Headquarters and Headquarters Troop	273
17-208H	Air Cavalry Troop	278
55-089H	Transportation Aircraft Maintenance (AVIM) Company	46

AIRBORNE DIVISION (TOE 57H)

TOE NO.	TITLE	PAGE
57-042H	Headquarters and Headquarters Company, Airborne Division Brigade	16
6-201H	Headquarters and Headquarters Battery, Airborne Division Artillery	52
57-055H	Combat Aviation Battalion	23
57-056H	Headquarters and Headquarters Company	26
57-057H	Assault Helicopter Company	32
57-058H	Aviation General Support Company	38
17-275H	Air Cavalry Squadron	42
17-276H	Headquarters and Headquarters Troop	282
17-278H	Air Cavalry Troop	290
55-099H	Transportation Aircraft Maintenance (AVIM) Company	54

INFANTRY DIVISION (MECHANIZED) (TOE 37H)

TOE NO.	TITLE	PAGE
37-004H	Division Aviation Section	57
37-042H	Headquarters and Headquarters Company, Infantry Division (Mech) Brigade	16
6-302H	Headquarters and Headquarters Battery, Infantry Division (Mech) Artillery	20
17-105H	Armored Cavalry Squadron	58
37-087H	Division Aviation Company	59
17-108H	Air Cavalry Troop	278
55-424H	Transportation Aircraft Maintenance (AVIM) Company	64

ARMORED DIVISION (TOE 17H)

TOE NO.	TITLE	PAGE
17-042H	Headquarters and Headquarters Company, Armored Division Brigade	16
6-302H	Headquarters and Headquarters Battery, Armored Division Artillery	20

FM 1-15**ARMORED DIVISION (TOE 17H) (Cont)**

TOE NO.	TITLE	PAGE
17-105H	Armored Cavalry Squadron	58
17-087H	Division Aviation Company	59
17-108H	Air Cavalry Troop	278
17-424H	Transportation Aircraft Maintenance (AVIM) Company	64

AIRMOBILE (AIR ASSAULT) DIVISION BRIGADE (TOE 67H)

TOE NO.	TITLE	PAGE
67-042H	Headquarters and Headquarters Company, Air Assault Division Brigade	72
6-700H	Air Assault Division Artillery	76
6-307H	Target Acquisition Battery	77
7-200H	Aviation Group	81
7-201H	Headquarters and Headquarters Company	84
7-202H	Aviation General Support Company	90
7-255H	Assault Helicopter Battalion	95
7-256H	Headquarters and Headquarters Company	97
7-258H	Assault Helicopter Company, Assault Helicopter Battalion	101
1-165H	Assault Support Helicopter Battalion	105
1-166H	Headquarters and Headquarters Company, Assault Support Helicopter Battalion	107
29-041H	Support Command	110
1-167H	Assault Support Helicopter Company	297
17-095H	Air Cavalry Squadron	75
17-096H	Headquarters and Headquarters Troop	286
17-098H	Air Cavalry Troop	278
55-405H	Transportation Aircraft Maintenance (AVIM) Battalion	112
55-406H	Headquarters and Headquarters Detachment	114

AIRMOBILE (AIR ASSAULT) DIVISION BRIGADE (TOE 67H) (Cont)		
TOE NO.	TITLE	PAGE
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***Note. The number of these units assigned to each major command depends on its mission, situation, and needs.**

****Note. The number of AVIM companies assigned to corps will vary in accordance with the aviation assets assigned. Normally there will be four or five AVIM companies dispersed throughout the corps rear area.**

RECOMMENDATIONS TO IMPROVE CLARITY OR ACCURACY

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STATEMENT

The word "he" is intended to include both the masculine and the feminine genders. Any exceptions to this will be so noted.

FM 1-15

30 SEPTEMBER 1977

By Order of the Secretary of the Army:

BERNARD W. ROGERS
General, United States Army
Chief of Staff

Official:

J. C. PENNINGTON
Brigadier General, United States Army
The Adjutant General

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